Historic, Archive Document

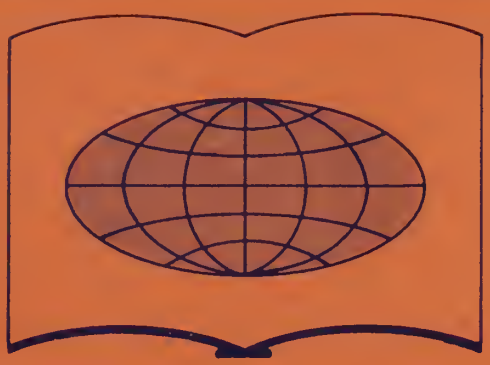
Do not assume content reflects current
scientific knowledge, policies, or practices.

SHOUT
SHARE
IT

eserve
241
43

Pesticides DOCUMENTATION BULLETIN

U. S. DEPT. OF AGRICULTURE
NATIONAL AGRICULTURAL LIBRARY
JAN 6 1970
CURRENT SERIAL RECORDS



Volume 5 Number 15
July 18, 1969

TIONAL AGRICULTURAL LIBRARY · U.S. DEPARTMENT OF AGRICULTURE

Use Pesticides Safely

FOLLOW THE LABEL

U.S. DEPARTMENT OF AGRICULTURE

PESTICIDES DOCUMENTATION BULLETIN

Volume 5
July 18, 1969
Number 15

A Bi-Weekly Publication of U.S. Department of Agriculture

OBJECTIVES AND SCOPE

The *Pesticides Documentation Bulletin* is compiled by the National Agricultural Library's Pesticides Information Center to facilitate national research efforts in all aspects of pest control. This bi-weekly index to the literature includes coverage of diseases, insects, nematodes, parasites, weeds and other pests affecting plants, animals, man, our natural resources and other values in man's environment. Special emphasis is given to the literature on toxicological, physiological and epidemiological aspects of pests and their control by chemical biological and integrated methods.

For broader coverage of literature on agriculture and related subjects, please consult the *Bibliography of Agriculture*, a monthly publication of the National Agricultural Library.

FORMAT

The *Bulletin* is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

10 Entomology
20 Crop Protection
30 Livestock Protection
40 Commodity Protection
50 Environmental Contamination
55 Residues
60 Toxicology
65 Plant Physiology & Biochemistry
70 Chemistry
80 Engineering
90 Industry

Citations: Each citation consists of an accession number assigned serially with the last two digits representing the Bulletin's issue year, i.e. 3286-67. The citation number (minus the year) is used in all indices. Following the accession number is the full title of the article; all personal authors; an abbreviated journal title; volume, issue and inclusive page numbers; date of publication; language abbreviation, if other than English; and the National Agricultural Library's call number. Subject descriptors, patent or grant numbers, bibliographer's notes, and abstracts or extracts may follow each citation when appropriate.

Subject Index: Subject descriptors appear in the index followed by title arranged numerically by accession number. The Agricultural/Biological Vocabulary developed by the National Agricultural Library is used as a basic thesaurus of descriptors.

Biographical Index: Names of first authors are arranged alphabetically, followed by organizational affiliation and accession number.

Author Index: Names of personal authors are arranged alphabetically, followed by accession numbers of pertinent citations.

Organizational Index: Names of corporate authors or sponsoring organizations are arranged alphabetically followed by accession numbers of pertinent citations.

Other Files

In addition to the citations contained in the Bulletin, the Pesticides Information Center maintains two other files, the INTREDIS Register and the Herbicides Data File.

The INTREDIS Register is a computer data bank in the field of forest pathology. It contains title and author references to abstracted articles including subject, country, host plant genus or species, organisms causing the diseases, abstracting journal and year of publication. The computer search uses boolean parameters in any combination of elements listed.

The Herbicides Data File consists of reports on field tests conducted by the Crops Protection Research Branch, Crop Research Division, Agriculture Research Service. Each test record contains the following items of information:

Compound Tested
Company furnishing the compound
Author or Investigator
Test Sponsor
Date
Location
Mode of Application
Rates of Application
Soil Types
Carriers
Crops or Weeds tested with phytotoxicity ratings
Associated documentation

Note: Items subject to proprietory restriction will be suppressed when appropriate.

AVAILABILITY OF REFERENCES CITED

Search Requests

Each item appearing on magnetic tapes in the Pesticides Information Center is fully searchable on the computer. Questions submitted to the Center should fully describe all parameters of the desired information in narrative form.

Search requests may be submitted to:

U.S. Department of Agriculture
National Agricultural Library
PESTICIDES INFORMATION CENTER
Beltsville, Maryland 20705

Loans

Most of the material in the National Agricultural Library collection may be borrowed by employees of the Department of Agriculture and by other libraries. In requesting loans, please include the Library call number found with the citation. Loan of periodicals is restricted to the Washington, D.C. area. Foreign statistical publications and rare books are loaned only by special arrangement.

Free Distribution

U.S.D.A. publications: Domestic requests for publications of the United States Department of Agriculture will be supplied free to libraries and other qualified agencies and organizations upon application to the United States Department of Agriculture, Office of Information, Washington, D.C. 20250, as long as the supply lasts. Foreign institutions, organizations and agencies which issue publications may obtain U.S.D.A. publications in exchange by writing to the United States Department of Agriculture, National Agricultural Library, Exchange Unit, Washington, D.C. 20250.

State Agricultural Experiment Station and Extension Service publications are available except where noted, and as long as the supply lasts, from the issuing station or service. The National Agricultural Library does not distribute them; however, reproductions are available at regular Library rates.

Reproduction

All articles listed may be obtained in microfilm or photoprint form from the United States Department of Agriculture, National Agricultural Library, Photoduplication Section, Washington, D.C., 20250. Copying charges for each periodical or book are:

MICROFILMS: $1.00 for each 30 pages or fraction copied from a single article or book.

PHOTOPRINTS: $1.00 for each 4 pages or fraction copied from a single article or book.

RUSH SERVICE: Will be furnished upon payment of $1.00 additional for each order.

Payment must accompany the order. Cash, Library coupons, check or money order drawn to the National Agricultural Library, U.S.D.A., are acceptable. Payment for orders originating outside of the United States should be made by American bank, or by UNESCO book coupons. Superintendent of Documents coupons and requests to furnish photocopy to be paid from Superintendent of Documents Deposit funds cannot be honored. Credit may be extended only to Government agencies and institutions. Billing address should be indicated.

Magnetic Tape Files

The files of the *Pesticides Documentation Bulletin*, its Vocabulary, the Herbicides Data, and INTREDIS are available on magnetic tape for the IBM-360 series computer. All tapes are nine-track, 800 bpi.

Tape prices are $60.00 for the first tape reel on an order plus $47.50 for each additional reel of magnetic tape. Tape orders may be submitted to:

U.S. Department of Agriculture
National Agricultural Library
AUTOMATION STAFF
Beltsville, Maryland 20705

Library Coupons

National Agricultural Library coupons, valued at $1.00 each, may be purchased in any quantity.

ACKNOWLEDGMENT

The Pesticides Information Center, National Agricultural Library, gratefully acknowledges the cooperation and assistance of the Department of Defense; Health, Education, and Welfare; and Interior; the Federal Committee on Pest Control, and state and industrial organizations in the development of the Center and preparation of this Bulletin. Special thanks are expressed to the Federal Committee on Pest Control for its suggestions and support. We hope the Bulletin will serve as an example of the effectiveness of interdepartmental cooperation and the speed with which effective services can be developed through a coordinated and cooperative interdepartmental effort.

Use of funds for printing this publication approved by the Director of the Bureau of the Budget (May 23, 1968).

PLEASE GIVE COMPLETE BIBLIOGRAPHIC INFORMATION AS IT APPEARS IN THIS PUBLICATION FOR EACH ITEM REQUESTED.

This publication reports research involving pesticides. It does not contain recommendations for their use, nor does it imply that the uses discussed here have been registered. All uses of pesticides must be registered by appropriate State and/or Federal agencies before they can be recommended.

CAUTION: Pesticides can be injurious to humans, domestic animals, desirable plants, and fish or other wildlife—if they are not handled or applied properly. Use all pesticides selectively and carefully. Follow recommended practices for the disposal of surplus pesticides and pesticide containers.

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C., 20402. $32.00 per year, domestic; $40.00 per year, foreign. Single copies vary in price.

TABLE OF CONTENTS

BIBLIOGRAPHY (Citations)

	Page
10 ENTOMOLOGY	1
Systematics	1
Physiology and Biochemistry	3
Genetics	13
Medical Entomology	13
20 CROP PROTECTION	13
Diseases	14
Arthropods	17
Nematodes	18
Weeds	18
Other Pests	19
30 LIVESTOCK PROTECTION	19
Diseases	19
Arthropods	22
Parasites	22
40 COMMODITY PROTECTION	22
Storage Diseases	22
Arthropods	23
Rodents and Other Pests	*
Microbial Contamination	*
50 ENVIRONMENTAL CONTAMINATION	23
55 RESIDUES	23
60 TOXICOLOGY	24
65 PLANT PHYSIOLOGY & BIOCHEMISTRY	25
70 CHEMISTRY	26
80 ENGINEERING	27
90 INDUSTRY	27
Economics	*
Education	27
Regulations	*
SUBJECT INDEX	29
BIOGRAPHICAL INDEX	87
AUTHOR INDEX	95
ORGANIZATIONAL INDEX	99

*This issue does not contain citations under this category.

Note: Mention of a company name or a proprietary product does not necessarily imply endorsement by the U.S. Department of Agriculture, NATIONAL AGRICULTURAL LIBRARY, PESTICIDES INFORMATION CENTER.

ENTOMOLOGY

SYSTEMATICS

8616-69
DESCRIPTION OF NEW ARCTIIDAE FROM MADAGASCAR. (LEP.) (15TH NOTE). (FR)
H de Toulgoet
Soc Entomol France Bull 73(3/4,MAR-APR):74-76
1968 420 F84B
Arctiidae, Insect identification, Insect taxonomy, Zoogeography.

8617-69
NASAL ACARINA OF BIRDS AND MAMMALS OF BRAZIL. I. RHINONYSSIDAE OF THE BELEM REGION (NORTH BRAZIL). (FL)
T H G Aitken A Fain
Inst Roy Sci Natur Belg Bull 44(41):1-28 REF
15 Nov 1968 504 B835B
Acarina, Birds, Insect taxonomy, Mammals, Parasitic insects.

8618-69
PROPOSED FAUNAL AFFINITIES OF UTAH DYTISCIDAE WITH THE EMPHASIS ON THE GENUS HYGROTUS STEPHENS.
R D Anderson
Utah Acad Sci Arts Lett Proc 44(1):358-365 MAP
1967 500 UT1
Dytiscidae, Insect ecology, Zoogeography.

8619-69
FOURTEEN NEW CHRYSOMELID BEETLES FROM JAMAICA.
D H Blake
Entomol Soc Wash Proc 71(2):161-174
Jun 1969 420 W27
Chrysomelidae, Coleoptera, Insect morphology, Insect taxonomy, Zoogeography.

The new species described are in the following nine genera: Lactica, Crysylus, Chaetocnema, Longitarsus, Hermaeophaga, Sidfaya, Apraca, Megistops, and Heikertingerella.

8620-69
CRYPTURGUS HISPIDULUS ALSO IN BADEN (COL., SCOLYTIDAE) (CONTRIBUTION TO THE SOUTHWESTERN GERMAN COLEOPTERN FAUNA). (GE)
S Claditsch
Entomol Z 79(3):27-28
01 Feb 1969 421 EN85
Insect taxonomy, Scolytidae, Zoogeography.

8621-69
STUDIES OF QUEENSLAND TETRANYCHIDAE. 7. RECORDS OF THE GENUS EOTETRANYCHUS (ACARINA: TETRANYCHIDAE).
J J Davis
Entomol Soc Australia (nsw) J 7(2):127-129
31 Dec 1968 423.92 EN84
Eotetranychus, Insect taxonomy, Tetranychus.

8622-69
OLIGONYCHUS ARANEUM SP. N. AND OLIGONYCHUS DIGITATUS DAVIS (ACARINA: TETRANYCHIDAE) AS PESTS OF GRASSES IN EASTERN AUSTRALIA.
J J Davis
Entomol Soc Australia (nsw) J 7(2):123-126
31 Dec 1968 423.92 EN84
Insect taxonomy, Oligonychus, Pastures, Tetranychidae.

8623-69
TAXONOMY OF NEW ZEALAND PSEUDOCOCCIDAE, PART 1 (HOMOPTERA: COCCOIDEA).
J A De Boer
New Zealand J Sci 10(1):138-141
Mar 1967 514 N482
Insect taxonomy, Pseudococcidae.

One new species of the genus Chorizococcus McKenzie is described. Trionymus zealandicus Brittin is transferred to the genus Spilococcus Ferris and the lectotype designated.

8624-69
THREE NEW SPECIES OF THE GENUS TRIPTEROIDES, SUBGENUS TRIPTEROIDES GILES (DIPTERA: CULICIDAE).
M D Delfinado E R Hodges
Entomol Soc Wash Proc 70(4):361-375
Dec 1968 420 W27
Culicidae, Insect taxonomy, Tripteroides denticulatus, Tripteroides malayi, Tripteroides tarsalis, Zoogeography.

8625-69
THE BARIS LEPIDII GROUP. (GE)
L Dieckmann
Entomol Bl 64(1):47-50
15 Jul 1968 421 EN833
Baris, Curculionidae, Insect taxonomy, Zoogeography.

8626-69
SOME AUSTRALIAN PARTHENOGENETIC CHIRONOMIDAE (DIPTERA).
D H D Edward D H Colless
Entomol Soc Australia (nsw) J 7(2):158-162
31 Dec 1968 423.92 EN84
Chironomidae, Insect biology, Insect morphology, Insect taxonomy, Parthenogenesis.

Parthenogenesis has hitherto been reported in only a single species of Australian chironomid: Lundstroemia parthenogenetica Freeman. It is here described in two further species: Limnophyes vestitus (Skuse) and another that cannot so far be distinguished from the Palearctic Corynoneura scutellata Winnertz, the latter being a new record for this country. Notes on biology and adult, pupal and larval morphology are given for both species.

8627-69
THE HUNT OF THE WASPS AT JACKSON HOLE.
H E Evans
Natur Hist 77(2):38-39
Feb 1968 500 N483J
Food habits, Philanthus, Predaceous insects, Surveys.

8628-69
CARPHURINAE OR CARPHURIDAE 43. CONTRIBUTION TO THE KNOWLEDGE OF THE MALACHIIDAE. (GE)
A M J Evers
Entomol Bl 64(1):17-27, REF
15 Jul 1968 421 EN833
Carphuridae, Coleoptera, Insect taxonomy, Melyridae.

8629-69
THREE NEW SPECIES OF BRACHYHESMA (APOIDEA: COLLETIDEA).
E M Exley
Entomol Soc Australia (nsw) J 7(2):135-141
31 Dec 1968 423.92 EN84
Colletidae, Insect taxonomy.

8630-69
TWO NEW GENERA AND FIVE NEW SPECIES OF ARGAREMINI FROM NEW ZEALAND, WITH A KEY TO THE GENERA OF TARGAREMINI (HETEROPTERA: LYGAEIDAE).
A C Eyles
New Zealand J Sci 10(2):407-423
Jun 1967 514 N482
Insect taxonomy, Lygacidae, Zoogeography.

Millerocoris ductus n. gen. and sp., Eminocoris conus n. gen. and sp. and three new species of Netagerra White, M. distincta, M. angusta, and M. kaikourica are described. A key to the species of Metagerra is given. The genus Lachnophoroides Distant is transferred from the subfamily Oxycareninae. A key to the genera of Targaremini is given, and the zoogeography of the tribe is presented.

8631-69
CONTRIBUTION TO THE KNOWLEDGE OF THE STAPHYLINIDAE. CIII. THE QUEDIUS OBLITTERATUS ER.--NEMORALIS BAUDI COMPLEX. (FR
G Fagel
Inst Roy Sci Natur Belg Bull 44(24):1-14
30 Sep 1968 504 B835B
Insect taxonomy, Quedius, Staphylinidae, Zoogeography.

8632-69
THE DISTRIBUTION OF THE FURNITURE BEETLE, ANOBIUM PUNCTATUM (DE GEER) (COLEOPTERA: ANOBIIDAE), IN NEW SOUTH WALES.
J R J French
Entomol Soc Australia (nsw) J 7(2):115-122 MAP REF
31 Dec 1968 423.92 EN84
Anobium punctatum, Zoogeography.

A survey was carried out to study the area of economic importance of Anobium punctatum (De Geer) in order to assess its potential threat to softwood utilization in New South Wales, particularly of Pinus radiata D. Don. The survey indicated that Anobium was confined to the more humid and cooler coastal plains, and to the eastern highlands of the Great Dividing Range. Infestations west of the Great Dividing Range were few, and were found to have been brought into the area in furniture and fittings from the coastal region.

8633-69
PYRGANUS A NEW GENUS (COLEOPTERA, ELATERIDAE). (SP)
R Golbach
Acta Zool Lilloana 22:197-199
1967 410 AC82
Elateridae, Insect taxonomy. German abstract.

8634-69
BRENTIDAE OF PARAGUAY (COLEOPTERA). (SP)
J A Haedo Rossi
Acta Zool Lilloana 22:157-182
1967 410 AC82
Brentidae, Insect taxonomy. English abstract.

8635-69
STUDIES OF FRUITFLIES ASSOCIATED WITH MISTLETOE IN AUSTRALIA AND PAKISTAN WITH NOTES AND DESCRIPTIONS ON GENERA RELATED TO PERILAMPSIS BEZZI DIPTERA: TEPHRITIDAE.
D E Hardy
Beitr Entomol 17(1-2):127-149
1967 421 B392
Insect taxonomy, Loranthaceae, Perilampsis, Tephritidae.

8636-69
A NEW COPTOTERMES (ISOPTERA, RHINOTERMITIDAE) FROM GABON.
W V Harris
Rev Zool Bot Afr 77(3/4)236-238
28 Jun 1968 410 R326
Coptotermes silvaticus, Insect identification, Insect taxonomy, Rhinotermitidae, Termites, Zoogeography.

8637-69
TWO NEW SPECIES OF AUDRE (LEP. RHOP. RIODINIDAE). (SP)
K J Hayward
Acta Zool Lilloana 22:137-142
1967 410 AC82
Insect taxonomy, Riodinidae.

8638-69
NEW NAMES FOR TWO GENERA OF LEPIDOPTERA. (SP)
K J Hayward
Acta Zool Lilloana 22:135
1967 410 AC82

Insect taxonomy, Lepidoptera, Nomenclature.

8639-69
FOUR NEW SATYRIDS FROM ECUADOR. (SP)
K J Hayward
Acta Zool Lilloana 22:201-206
1967 410 AC82
Insect taxonomy, Satyridae.

8640-69
TWO SPECIES OF APPLE-FEEDING GELECHIIDS NEW TO SCIENCE (LEPIDOPTERA).
R W Hodges
Entomol Soc Wash Proc 71(2):202-204
Jun 1969 420 W27
Apples, Filatima epulatrix, Gelechiidae, Insect ecology, Insect morphology, Insect taxonomy, Pseudotelphusa incana, Zoogeography.

8641-69
A NEW STRATIOMYID PEST OF SUGAR CANE IN AUSTRALIA (DIPTERA: STRATIOMYIDAE).
M T James
Entomol Soc Australia (nsw) J 7(2):155-157
31 Dec 1968 423.92 EN84
Insect taxonomy, Stratiomyidae, Sugarcane.

8642-69
ADDENDUM TO THE REVISION OF THE GENUS THORICTUS GERM. (GE)
H John
Entomol Bl 64(1):28-30
15 Jul 1968 421 EN833
Insect taxonomy, Thorictidae, Thorictus, Zoogeography.

8643-69
THE BLACK BARK BEETLE, XYLOSANDRUS GERMANUS BLANDF., A NEWCOMER TO OUR DOMESTIC INSECT FAUNA. (GE)
H J Kamp
Entomol Bl 64(1):31-39, REF
15 Jul 1968 421 EN833
Insect biology, Insect taxonomy, Xylosandrus germanus, Zoogeography.

8644-69
TAXONOMIC REMARKS ABOUT STAPHYLINIDAE. (GE)
H Korge
Entomol Bl 64(1):51-57
15 Jul 1968 421 EN833
Insect taxonomy, Quedius, Staphylinidae, Zoogeography.

8645-69
PALEARCTIC SPECIES OF EGG PARASITES OF THE GENUS TELENOMUS HALIDAY (HYMENOPTERA, SCELIONIDAE, TELENOMINAE).
M A Kozlov
Entomol Rev 46(2 APR-JUN):215-224 REF
1967 421 R322AE
Hymenoptera, Insect biology, Insect eggs, Insect taxonomy, Palearctic Region, Parasites, Scelionidae, Telenomus, Zoogeography. Listing of 114 species, translated from Russian.

8646-69
STUDIES OF THE MEXICAN DELTOCEPHALINAE II. SEVEN NEW SPECIES OF NORVELLINA (HOMOPTERA: CICADELLIDAE).
J p Kramer D M DeLong
Ohio J Sci 69(2):115-121
Mar 1969 410 OH3
Cicadellidae, Insect taxonomy, Surveys.

8647-69
MORPHOLOGY AND RELATIONSHIPS OF THE PENTATOMOIDEA (HETEROPTERA). III. NATALICOLINAE AND SOME TESSARATOMIDAE OF UNCERTAIN POSITION.
R Kumar
Entomol Soc Amer Ann 62(4):681-695 REF
Jul 1969 420 EN82
Heteroptera, Insect names, Insect taxonomy.

8648-69
MICROCTONUS GLYPTOSCELI N. SP., A PARASITE OF GLYPTOSCELIS PUBESCENS (F.) IN WISCONSIN (HYMENOPTERA: BRACONIDAE: EUPHORINAE AND COLEOPTERA: CHRYSOMELIDAE).
C C Loan M G Klein H C Coppel
Entomol Soc Wash Proc 71(2):230-233 REF
Jun 1969 420 W27
Braconidae, Chrysomelidae, Glyptoscelis pubescens, Insect morphology, Insect physiology, Insect taxonomy, Larvae, Microctonus glyptoscelis, Parasitic insects, Zoogeography.

8649-69
NEOLAXTA MONTEITHI GEN. SP. N. FROM EASTERN AUSTRALIA (BLATTODEA: BLABERIDAE).
M J Mackerras
Entomol Soc Australia (nsw) J 7(2):143-146
31 Dec 1968 423.92 EN84
Blattidae, Insect taxonomy.

8650-69
POLYPHAGIDAE (BLATTODEA) FROM EASTERN AUSTRALIA.
M J Mackerras
Entomol Soc Australia (nsw) J 7(2):147-154
31 Dec 1968 423.92 EN84
Blattidae, Insect taxonomy.

8651-69
THE MAYFLY GENUS HEXAGENIA IN MEXICO (EPHEMEROPTERA: EPHEMERIDAE).
W P McCafferty
Entomol Soc Wash Proc 70(4):358-359
Dec 1968 420 W27
Ephemeridae, Hexagenia, Insect taxonomy, Zoogeography.

8652-69
NEW SOUTH AMERICAN GENERA AND SPECIES OF THE TRIBE BOTHYNOSTETHINI (HYMENOPTERA; SPHECIDAE; LARRINAE).
A S Menke
Acta Zool Lilloana 22:89-99
1967 410 AC82
Insect taxonomy, Spheeidae, Zoogeography.

8653-69
THE GENERIC PLACEMENT OF ALLODAPE GRISEA ALFKEN (HYMENOPTERA: APOIDEA).
C D Michener
Entomol Soc Australia (nsw) J 7(2):142
31 Dec 1968 423.92 EN84
Apoidea, Insect taxonomy.

8654-69
PHILONTHUS PARCUS SHARP (COLEOPTERA: STAPHYLINIDAE), A JAPANESE ROVE BEETLE ESTABLISHED IN AUSTRALIAN CAVES.
B P Moore
Entomol Soc Australia (nsw) J 7(2):163-164
31 Dec 1968 423.92 EN84
Cave fauna, Insect taxonomy, Staphylinidae.

8655-69
NEW EXOPROSOPINAE FROM MEXICO AND CENTRAL AMERICA (DIPTERA: BOMBYLIIDAE).
R H Painter E M Painter
Kans Entomol Soc J 42(1):5-34
Jan 1969 420 K13
Bombyliidae, Insect taxonomy, Surveys.

8656-69
THE ARADIDAE OF NEW ZEALAND (HEMIPTERA, HETEROPTERA). III. THE ARADINAE AND CALISIINAE.
J G Pendergrast
Roy Soc New Zeal Trans Zool 10(10):81-88 REF
22 Jan 1968 514 W46TZ
Aradidae, Aradus australis, Calisius zealandicus, Insect morphology, Insect taxonomy, Zoogeography.
Aradus australis Erichson is redescribed and the first New Zealand species of Calisius is described.

8657-69
THE NATURAL FOCI OF HUMAN TRANSMISSIVE DISEASES.
P A Petrisheheva
Entomol Rev 47(2,APR-JUN):186-188
Jun 1968 421 R322AE
Human diseases, Insect evolution, Insect taxonomy, Insect vectors, Zoogeography, Russian journal-Entomologicheskoye Obozreniye, p. 317-321.

8658-69
DESCRIPTIONS OF NEW NEOTROPICAL TABANIDAE AND NEW RECORDS FOR ARGENTINA.
C B Philip
Acta Zool Lilloana 22:105-132 REF
1967 410 AC82
Insect taxonomy, Tabanidae.

8659-69
A REVISION OF THE GENUS CHLOROCNEMIS SELYS (ODONATA).
E Pinhey
Southern Rhodes Nat Mus Occas Pap 4(29B):209-260 REF
10 Jan 1969 515 R342
Insect ecology, Insect taxonomy, Odonata, Zoogeography.

8660-69
THE TETTIGONIIDAE (ORTHOPTERA) OF OKLAHOMA.
V N Powders W A Drew
Okla Acad Sci Proc 47:87-98
1968 500 OK42
Insect taxonomy, Surveys, Tettigoniidae.

8661-69
A NEW STENUS FROM SOUTHERN CHINA: STENUS (HYPOSTENUS) SHAOWUENSIS N. SP., INCLUDING SYNONYMY NOTES ON OTHER SPECIES (COLEOPTERA, STAPHYLINIDAE). 42. CONTRIBUTION TO THE KNOWLEDGE OF THE STENINAE. (GE)
V Puthz
Entomol Bl 64(1):43-46,REF
15 Jul 1968 421 EN833
Insect taxonomy, Staphylinidae, Steninae, Stenus, Stenus shaowuensis.

8662-69
THE CAVERNICOLOUS STATUS OF SOME SPECIES OF MACROPATHINAE (ORTHOPTERA: RHAPHIDOPHORIDAE).
A M Richards
Entomol Soc Australia (nsw) J 7(2):87-89 REF
31 Dec 1968 423.92 EN84
Insect behavior, Insect taxonomy, Orthoptera.
The cavernicolous status of some of Macropathinae is discussed. All species studied so far are classified as troglophiles. No trogloxenic Macropathinae are known.

8663-69
NEW RECORDS AND NEW SPECIES OF AUSTRALIAN MASARIDAE (HYMENOPTERA: VESPOIDEA).
O W Richards
Entomol Soc Australia (nsw) J 7(2):101-104
31 Dec 1968 423.92 EN84
Insect taxonomy, Vespidae.

8664-69
A NEW FAMILY OF CADDIS-FLIES FROM AUSTRALIA (TRICHOPTERA: TASIMIIDAE).
E F Riek
Entomol Soc Australia (nsw) J 7(2):109-114
31 Dec 1968 423.92 EN84
Insect taxonomy, Trichoptera.

8665-69
THE NEW GENUS FREGATIELLA (MALLOPHAGA: MENOPONIDAE) FOR MENOPON AURIFASCIATUM FROM THE FRIGATE-BIRD.
S O Ryan R D Price

Entomol Soc Amer Ann 62(4):823-825
Jul 1969 420 EN82
Insect names, Insect taxonomy, Mallophaga, Menoponidae, Zoogeography.

8666-69
A REVIEW OF THE GENUS EIDMANNIELLA (MALLOPHAGA: MENOPONIDAE) FROM THE PELECANIFORMES.
S O Ryan R D Price
Entomol Soc Amer Ann 62(4):815-823 REF
Jul 1969 420 EN82
Birds, Insect names, Insect taxonomy, Mallophaga, Menoponidae.

8667-69
THE AQUATIC AND SEMIAQUATIC HEMIPTERA IN OKLAHOMA.
K F Schaefer W A Drew
Okla Acad Sci Proc 47:125-134
1968 500 OK42
Aquatic insects, Gerridae, Insect taxonomy, Nepidae, Notonectidae, Surveys.

8668-69
HEBRIDAE (HEMIPTERA) OF OKLAHOMA.
K F Schaefer W A Drew
Southwest Natur 12(4):487
31 Dec 1967 409.6 SO8
Hebridae, Insect taxonomy, Zoogeography.

8669-69
THE ASILINAE (DIPTERA, ASILIDAE) OF OKLAHOMA.
K F Schaefer
Okla Acad Sci Proc 47:114-124
1968 500 OK42
Asilidae, Insect taxonomy, Surveys.

8670-69
THE GENERA NEUROCYTA NAVAS AND PHRYGANOPSYCHE WIGGINS IN INDIA (TRICHOPTERA, PHRYGANEIDAE, AND PHRYGANOPSYCHIDAE). (FR)
F Schmid
Natur Can 95(3,MAY-JUN):723-726
Jun 1968 410 N216
Insect ecology, Insect taxonomy, Trichoptera. English abstract.

8671-69
OKLAHOMA LEAF BEETLES OF THE SUBFAMILIES DONACIINAE, CRIOCERINAE, CLYTRINAE, CHLAMISINAE, EUMOLPINAE, AND CHRYSOMELINAE (CHRYSOMELIDAE, COLEOPTERA).
J H Shaddy W A Drew
Okla Acad Sci Proc 47:139-153 REF
1968 500 OK42
Chrysomelidae, Insect taxonomy, Surveys.

8672-69
FURTHER STUDIES ON THE TARSONEMIDAE, II (ACARINA).
R L Smiley
Entomol Soc Wash Proc 71(2):218-229
Jun 1969 420 W27
Blueberries, Daidalotarsonemus jamesbakeri, Heterotarsonemus lindquisti, Insect ecology, Insect morphology, Insect taxonomy, Mites, Parasitic insects, Tarsonemidae, Tarsonemus adamsi, Tarsonemus confusus, Tarsonemus summersi.
A new genus and four new species are described.

8673-69
THE GENUS CRATEROCERCUS ROHWER (HYMENOPTERA: TENTHREDINIDAE).
D R Smith
Entomol Soc Wash Proc 71(2):153-161 REF
Jun 1969 420 W27
Craterocereus, Insect ecology, Insect morphology, Insect taxonomy, Quercus, Tenthredinidae, Zoogeography.
A new species, Craterocereus furcatus, is described.

8674-69
TWO NEW SPECIES OF IDAHO TRICHOPTERA WITH DISTRIBUTIONAL AND TAXONOMIC NOTES ON OTHER SPECIES.
S D Smith
Kans Entomol Soc J 42(1):46-53
Jan 1969 420 K13
Insect taxonomy, Trichoptera, Zoogeography.

8675-69
NOTES ON THE SYSTEMATICS AND DULOSIS OF SOME WESTERN SPECIES OF FORMICA, SUBGENUS RAPTIFORMICA (HYMENOPTERA: FORMICIDAE).
R R Snelling
Entomol Soc Wash Proc 71(2):194-197 REF
Jun 1969 420 W27
Formica, Hymenoptera, Insect ecology, Insect morphology, Insect taxonomy, Zoogeography.

8676-69
EPURAEA FUSSI REITTER EQUALS EPURAEA INTERJECTA SJOBERG SYN. NOV. (GE)
K Spornraft
Entomol Bl 64(1):40
15 Jul 1968 421 EN833
Epuraea angustula, Epuraea fussi, Insect taxonomy, Nitidulidae.

8677-69
CATALOG OF NEUROPTERA OF ARGENTINA AND URUGUAY. (SP)
L A Stange
Acta Zool Lilloana 22:5-87 REF
1967 410 AC82
Bibliography, Catalogs, Neuroptera, Zoogeography. English abstract.

8678-69
THE POSTABODOMEN OF CINDERELLA, WITH A NEW SPECIES FROM ARGENTINA (DIPTERA: HELEOMYZIDAE).
G C Steyskal
Kans Entomol Soc J 42(1):80-83
Jan 1969 420 K13
Heleomyzidae, Insect taxonomy, Zoogeography.

8679-69
SOME AFRICAN FULGOROIDEA IN THE UNITED STATES NATIONAL MUSEUM.
H Synave
Entomol Soc Wash Proc 71(2):174-190
Jun 1969 420 W27
Fulgoroidea, Homoptera, Insect morphology, Insect taxonomy, Zoogeography.
Three new species are described: Capenopsis krameri, Myndus liberianus, and Sabecoides ornatus.

8680-69
MALLOPHAGA FROM BIRDS OF THE ORIENTAL REGION. PART IX. STURNIDOECUS PHILIPPENSIS, N. SP. (ISCHNOCERA: PHILOPTERIDAE).
B K Tandan P Kumar
Entomol Soc Wash Proc 71(2):205-210 REF
Jun 1969 420 W27
Birds, Insect morphology, Insect taxonomy, Mallophaga, Parasitic insects, Philopteridae, Sturnidoecus philippensis, Zoogeography.

8681-69
OBSERVATIONS ON THE GENITAL STRUCTURES IN SEVERAL GENERA OF BRUCHIDAE (COLEOPTERA). (SP)
A L Teran
Acta Zool Lilloana 22:307-322
1967 410 AC82
Bruchidae, Insect taxonomy, Reproductive organs. English abstract.

8682-69
FIRST RECORD OF RHAGIO SCOLOPACEUS (LINNE) IN NORTH AMERICA (DIPTERA: RHAGIONIDAE).
F C Thompson
Entomol Soc Wash Proc 71(2):141-143
Jun 1969 420 W27
Diptera, Insect identification, Rhagio scolopaceus, Zoogeography.

8683-69
HISPINAE OF PERU, COLLECTED BY VON W. WEYRAUCH. (228. CONTRIBUTION TO THE KNOWLEDGE OF THE HISPINAE, COLEOPT., CHRYSOMELIDAE). (GE)
E Uhmann
Acta Zool Lilloana 22:101-104 REF
1967 410 AC82
Chrysomelidae, Hispinae, Insect taxonomy. Spanish abstract.

8684-69
PREVIOUSLY UNPUBLISHED NOCTURNALS OF MADAGASCAR. (LEP.). (FR
P Viette
Soc Entomol France Bull 73(3/4,MAR-APR):77-83
1968 420 F84B
Amphipyrinae, Insect identification, Insect taxonomy, Zoogeography. Descriptions of 1 new genus and 7 new species.

8685-69
SOME MIRIDS FROM CENTRAL SIBERIA (HETEROPTERA). (GE)
E Wagner
Notulae Entomol 49(1):31-36
1969 421 N84
Insect taxonomy, Miridae.

8686-69
SYSTEMATICS AND ACOUSTIC BEHAVIOR OF UNITED STATES CRICKETS OF THE GENUS OROCHARIS (ORTHOPTERA: GRYLLIDAE).
T J Walker
Entomol Soc Amer Ann 62(4):752-762 MAP REF
Jul 1969 420 EN82
Gryllidae, Insect behavior, Insect taxonomy, Stridulation, Zoogeography.

8687-69
NEW SPECIES OF CHIRONOMIDS FROM COSTELLO LAKE, ONTARIO (DIPTERA: CHIRONOMIDAE).
D W Webb
Kans Entomol Soc J 42(1):91-108
Jan 1969 420 K13
Chironomidae, Insect taxonomy.

8688-69
NEW GENERA OF NEOTROPICAL EUMENIDAE (HYMENOPTERA). (SP)
A Willink
Acta Zool Lilloana 22:143-155
1967 410 AC82
Eumenidae, Insect taxonomy. English abstract.

8689-69
SEVEN NEW SPECIES AND RECORDS OF PHYTOSEIID MITES FROM MISSOURI (ACARINA: PHYTOSEIIDAE).
R E Zaek
Kans Entomol Soc J 42(1):68-80
Jan 1969 420 K13
Insect taxonomy, Phytoseiidae.

8690-69
TWO NEW CATOPIDAE GENERA FROM EUROPE (ANALYSIS OF THE NIGRITA GROUP IN THE GENUS CATOPS). (GE)
P Zwick
Entomol Bl 64(1):1-16, REF
15 Jul 1968 421 EN833
Apocatops, Catops, Fissocatops, Insect taxonomy, Leptodiridae.

PHYSIOLOGY AND BIOCHEMISTRY

8691-69
WINTER CONTROL OF THE EUROPEAN RED MITE, PANONYCHUS ULMI, AND CERTAIN

FRUIT INSECTS BY M-2060 (2-FLUOROETHYL(4-BIPHENYLYL)ACETATE) IN ITALY.
P de Pietri-Tonelli V Corradini N Caracalli G Siddi
J Econ Entomol 62(1):107-112
17 Feb 1969 421 J822
Aphis pomi, Aspidiotus perniciosus, Chemical control (insects), Climate, Dysaphis plantaginea, Fluoroethyl(4-biphenylyl)acetate, 2-, Fruit, Insect eggs, Insect pests, Panonychus ulmi, Psylla piri.

8692-69
MORTALITY, LONGEVITY, AND FECUNDITY OF SPIDER MITES ON COTTON TREATED WITH SYSTEMIC ACARICIDES.
M K Abid R L Ridgway
J Econ Entomol 62(1):13-16 REF
17 Feb 1969 421 J822
Acaricides, Chemical control (pests), Cotton, Fertility, Longevity, Mortality, Seedlings, Tetranychus atlanticus, Tetranychus cinnabarinus, Tetranychus tumidus, Tetranychus urticae.

8693-69
RESPONSE OF FLYING BOLLWORM MOTHS AND OTHER TYMPANATE MOTHS TO PULSED ULTRASOUND.
H.r Agee
Entomol Soc Amer Ann 62(4):801-807 REF
Jul 1969 420 EN82
Heliothis zea, Insect behavior, Noctuidae, Ultrasonic waves.

8694-69
THE NUCLEOPOLYHEDROSIS VIRUS OF HELIOTHIS: QUANTITATIVE IN VIVO ESTIMATES OF VIRULENCE.
G E Allen C M Ignoffo
J Invertebrate Pathol 13(3):378-381
May 1969 421 J826
Biological assay, Deoxyribonucleic acid, Heliothis zea, Polyhedroses.

The LD-50 inclusion-body nucleopolyhedrosis virus dose for 8-day-old Heliothis zea larvae was 250 times that of 3-day old larvae. Less than a twofold difference was obtained when the dose was calculated as the number of inclusion bodies per milligram of body weight. An estimated 370-690 virions or 0.037-0.069 picograms (pg) of DNA per milligram of body weight were required to attain an LD-50 level.

8695-69
ENTOMOPHTHORA AQUATICA SP. N. INFECTING LARVAE AND PUPAE OF FLOODWATER MOSQUITOES.
J F Anderson S L Ringo
J Invertebrate Pathol 13(3):386-393 REF
May 1969 421 J826
Aedes canadensis, Biological control (insects), Culiseta morsitans, Entomogenous fungi, Entomophthora, Insect diseases, Larvae, Pupae.

8696-69
PREDATORS PITTED AGAINST CEREAL LEAF BEETLE.
Anonymous
Michigan Farmer 251(2):4
18 Jan 1969 6 M58
Biological control (insects), Chrysomelidae, Experimental insects, Insect control, Oulema melanopus, Predaceous insects.

8697-69
SUPERFLIES BEAT DICHLORODIPHENYLTRICHLOROETHANE.
Anonymus
Sci News Lett 94(21):520
23 Nov 1968 470 SCI24
Diptera, DDT, Insecticide resistant insects, Insecticides, Pest control, Research.

8698-69
SCREWWORM FLY UPSURGE.
Anonymus
Sci News Lett 94(21):520
23 Nov 1968 470 SCI24
Biological control (insects), Cattle, Cochliomyia hominivorax, Diptera, Injuries, Insect adaptation, Insect eggs, Sterility.

8699-69
ALKALINE PHOSPHATASE IN THE DIGESTIVE SYSTEM OF THE DESERT LOCUST, SCHISTOCERCA GREGARIA (FORSKAL).
S H Ashrafi S N H Naqvi M A H Qadri
Ohio J Sci 69(3):183-191 REF
May 1969 410 OH3
Alkaline phosphatase, Enzymes, Gastrointestinal system, Insect biochemistry, Schistocerca gregaria.

8700-69
NEUROMUSCULAR SYNAPSES IN THE COCKROACH EXTENSOR TIBIAE MUSCLE.
H L Atwood T Smyth H S Johnston
J Insect Physiol 15(4):529-535 REF
Apr 1969 421 J825
Electrophysiology, Insect morphology, Insect physiology, Muscles, Nervous system, Periplaneta americana.

8701-69
THE ASEXUAL CYCLE OF A FILARIAL (WORM), SAUROSITUS AGAMAE HAMONI N. SSP. (EUFILARIINAE) IN ANOPHELES STEPHENSI. (FR)
O Bain
Acad Sci Compt Rend Ser D Sci Nat 268(20, 1ST SEMESTER):2439-2441 REF
19 May 1969 505 P21
Anopheles stephensi, Asexual reproduction, Filariasis, Nematodes.

8702-69
THE LEPIDOPTEROUS STALK BORERS OF RICE AND THEIR LIFE CYCLES IN THE TROPICS.
S N Banerjee L M Pramanik
Baltimore, John Hopkins Press. 103-124 REF
1967 SB608.R5S9
Insect behavior, Insect pests, Larvae, Life cycle, Pupae, Pyralidae, Rice.

8703-69
ANALYSIS OF THE STRUCTURE OF THE PORE DUCTS IN THE FAVORABLE CASE OFFERED BY THE TEGUMENT OF GALLERIA MELLONELLA NYMPHS. (FR)
R Barbier
Acad Sci Compt Rend Ser D Sci Nat 268(19, 1ST SEMESTER):2364-2367 REF
12 May 1969 505 P21
Cuticle, Galleria mellonella, Insect morphology, Larvae.

8704-69
THE ARTHROPOD CAVE FAUNA OF THE CARLSBAD CAVERNS REGION. NEW MEXICO.
T C Barr J R Reddell
Southwest Natur 12(3):253-274 MAP REF
31 Oct 1967 409.6 SO8
Cave fauna, Ecology, Insect behavior.

All invertebrates thus far identified from Carlshad Caverns and nearby caves, Eddy County, New Mexico, are arthropods. Bout 60 per cent of the species are apparently troglophiles two species are unquestionably troglohitic and 2 other species are possihly troglohitic. The caves are relatively dry and are situated in a semi-arid region, which prohably accounts for the poor troglobitic fauna and high percentage of troglophiles. Many of the species are guanohites.

8705-69
NUCLEIC ACID SYNTHESIS IN NURSE CELLS OF RHYNCHOSCIARA ANGELAE NONATO AND PAVAN, 1951.
R Basile
Genet Soc Amer Rec 61(1,PT 2,SUPPL):261-273 REF
1969 442.9 G28
Autoradiography, Development, Insect eggs, Nucleic acids, Rhynchosciara, Synthesis.

8706-69
PRELIMINARY OBSERVATIONS OF ALPINE GRASSHOPPERS IN A HABITAT MODIFIED BY DEER AND CHAMOIS.
C L Batcheler
New Zeal Ecol Soc Proc (14):15-26 MAP REF
Aug 1967 501 N48
Acrididae, Insect adaptation, Insect ecology, Population, Seasonal variation.

8707-69
EFFECT OF SUBSTRATE TYPES ON AQUATIC INSECT DISTRIBUTION.
H L Bell
Minn Acad Sci J 35(2-3):79-81
1969 500 M663
Aquatic insects, Population, Soil series, Streams, Zoogeography.

The substrate preferences of aquatic insects in the Lester River, Minn. were analyzed through regular measurement of the standing crop. Most insects preferred a rubble substrate, then coarse gravel, hedrock, and coarse sand respectively.

8708-69
MIXTURES OF DICHLORVOS, PYRETHRINS AND DIMETHRIN IN AEROSOLS FOR CONTROLLING HOUSEFLIES.
I V Bessonova F I Vashkov Y P Volkov Y B Zhuk V M Tsetlin
Int Pest Contr 11(2,MAR-APR):16-18
Mar 1969 79.8 P432
Dichlorvos, Dimethrin, Insect control, Insecticides, Insects, Musca domestica, Pyrethrum.

8709-69
VARIATION IN BEHAVIOR AMONG OBLIGATE ACACIA-ANTS FROM THE SAME COLONY (PSEUDOMYRMEX NIGROCINCTA).
M L Beulig D H Janzen
Kans Entomol Soc J 42(1):58-67
Jan 1969 420 K13
Acacia, Formicidae, Insect behavior, Population, Pseudomyrmex.

Movements of Pseudomyrmex nigrocincta were traced and compared on greenhouse plants of Acacia collinsii. Differences were noted among four ants in respect to total activity, area traveled, response to alarm, foraging, and frequency of encounters with other ants. Ant traffic was recorded over an 18-hour period past three points on the acacia trunk and found to vary in rate with time of day. Changes in ant density were recorded in one area over the same period.

8710-69
OCCULT VIRUSES IN INSECTS. (ABSTRACT).
F T Bird
Fed Amer Soc Exp Biol Fed Proc 27(2):261
Mar 1968 442.9 F31P
Insect diseases, Larvae, Metamorphosis, Viruses.

8711-69
THE SUBCOXA OF THE APHID HIND LEG (HOMOPTERA: APHIDIDAE).
T L Bissell
Entomol Soc Wash Proc 71(2):133-140
Jun 1969 420 W27
Aphididae, Homoptera, Insect anatomy, Insect morphology, Legs.

8712-69
BIOLOGY AND PHENOLOGY OF THE GRASSHOPPER DOCIOSTAURUS CURVICERCUS IN ISRAEL.
S A Blondheim A Shulov
Entomol Soc Amer Ann 62(4):881-885
Jul 1969 420 EN82
Acrididae, Insect biology, Insect ecology, Weather

8713-69
NATURALLY OCCURRING LOW-MOLECULAR-WEIGHT PEPTIDES FROM THE BLOWFLY PHORMIA REGINA.
R P Bodnaryk L Levenhook
Biochem J 110(4):771-773 REF
Dec 1968 382 B52

Larvae, Molecular weight, Peptides, Phormia regina.

8714-69
ASYNCHRONOUS OVARIAN DEVELOPMENT IN THE HOUSEFLY, MUSCA DOMESTICA L. (DIPTERA: MUSCIDAE), CAUSED BY DIETARY GAMMA-AMINOBUTYRIC ACID (GABA).
R P Bodnaryk P E Morrison
Compar Biochem Physiol 24(2):573-579 REF
Feb 1968 444.8 C73
Amino acids, Development, Insect nutrition, Insect physiology, Musca domestica, Ovaries, Stimulants.

8715-69
FEEDING RESPONSES BY HYLURGOPINUS RUFIPES TO COMBINED CHEMICAL AND PHYSICAL STIMULI.
T K Borg D. M. Norris
Entomol Soc Amer Ann 62(4):730-733
Jul 1969 420 EN82
Attractants, Feeding, Hylurgopinus rufipes, Insect behavior, Insect nutrition, Stimuli.

8716-69
A NEW RECORD FOR A PARASITE OF THE ALFALFA WEEVIL IN EASTERN UNITED STATES, ERIPLANUS MICATOR (GRAVENHORST) (HYMENOPTERA: ICHNEUMONIDAE).
L W Boulanger
Entomol Soc Wash Proc 71(2):149-150
Jun 1969 420 W27
Biological control (insects), Curculionidae, Eriplanus micator, Hypera postica, Ichneumonidae, Insect pests, Itoplectis conquisitor, Parasitic insects, Pupae, Zoogeography.

8717-69
THE ADAPTATION TO AQUATIC LIFE OF THE LARVAE OF MUANSA CLYPEALIS (HOMOPTERA, CICADIDAE). (FR)
M Boulard
Acad Sci Compt Rend Ser D Sci Nat 268(21, 1ST SEMESTER):2602-2604
28 May 1969 505 P21
Aquatic insects, Cicadidae, Insect adaptation, Insect behavior, Insect respiration, Larvae.

8718-69
FEEDING BEHAVIOR OF LARVAE OF THE WESTERN CORN ROOTWORM: NORMAL LARVAE AND LARVAE MAXILLECTOMIZED WITH LASER RADIATION.
T.e Branson E E Ortman
Entomol Soc Amer Ann 62(4):808-812 REF
Jul 1969 420 EN82
Chemoreceptors, Diabrotica virgifera, Food habits, Insect behavior, Larvae, Mouth parts.

8719-69
THE MATURATION OF THE OOCYTES IN THE ISOLATED ABDOMEN OF LEUCOPHAEA MADERAE.
V J Brookes
J Insect Physiol 15(4):621-631 REF
Apr 1969 421 J825
Corpora allata, Development, Leucophaea maderae, Oogenesis, Tissue culture, Tissue grafting.

8720-69
CYCLOHEXIMIDE, AMINO ACID INCORPORATION AND LEARNING IN THE ISOLATED COCKROACH GANGLION.
B M Brown E P Noble
Biochem Pharmacol 17(11):2371-2374 REF
Nov 1968 396.8 B52
Amino acids, Blattidae, Cycloheximide, Ganglion cells, Periplaneta americana.

8721-69
FIELD OBSERVATIONS ON THE PALES WEEVIL, HYLOBIUS PALES, IN THE SOUTH CAROLINA PIEDMONT.
A T Bullard R C Fox
Entomol Soc Amer Ann 62(4):722-723
Jul 1969 420 EN82
Hylobius pales, Insect biology, Insect migration.

8722-69
AN APPRAISAL OF HIGH, MEDIUM AND LOW VOLUME METHODS OF SPRAY APPLICATION.
J B Byass
Int Pest Contr 11(2,MAR-APR):19-27
Mar 1969 79.8 P432
Chemical control (insects), Chemicals, Crop yields, Pesticide residues, Spraying.

8723-69
STUDY OF DIFFERENT TYPES OF ACTIVITIES RECORDED WITH CAPILLARY MICROELECTRODES IN THE LAST ABDOMINAL GANGLION TO THE COCKROACH, PERIPLANETA AMERICANA L.. (FR)
J Callec J Boistel
Paris Soc Biol Compt Rend 160(10):1943-1947 REF
20 Feb 1967 442.9 P21
Electrophysiology, Insect physiology, Nervous system, Periplaneta americana.

8724-69
CYTOCHEMICAL STUDIES ON A COCCIDIAN, CHAGASELLA GANAPATII FROM A TERMITE, ODONTOTERMES OBESUS (RAMBUR).
P N Canapati C Kalavati
Arch Protisten Kunde 111(1):82-86
1968 439.8 AR2
Carbohydrates, Chagasella ganapatii, Chemistry, Cytology, Lipids, Odontotermes obesus, Parasitism, Proteins, Research.

8725-69
ENDOTOXINS FROM SEVERAL BACTERIAL SPECIES AS IMMUNIZING AGENTS AGAINST PSEUDOMONAS AERUGINOSA IN GALLERIA MELLONELLA.
J S Chadwick E Vilk
J Invertebrate Pathol 13(3):410-415 REF
May 1969 421 J826
Endotoxins, Entomogenous bacteria, Galleria mellonella, Immunization, Insect physiology, Pseudomonas aeruginosa.

8726-69
INTEGUMENTAL ABSORPTION VERSUS ORAL INGESTION OF PHOSPHATE AND OTHER MATERIALS BY COMMON CATTLE GRUBS HELD IN VITRO.
W F Chamberlain C C Barrett O Graham
Entomol Soc Amer Ann 62(4):843-846
Jul 1969 420 EN82
Cuticle, Hypoderma lineatum, Insect physiology, Mouth, Phosphates, Radioactive isotopes.

The intake of P32-labeled phosphate differed markedly in the 3 instars of larvae of Hypoderma lineatum (de Villers) (Diptera: Oestridae) during in vitro laboratory tests. Apparently the 1st-stage larvae absorbed all phosphate through the integument, the 2nd-stage larvae used both the percutaneous and oral routes, and the 3rd-stage larvae used the oral route exclusively.

8727-69
A LIGHT MILL FOR STUDIES WITH THE MEXICAN FRUIT FLY.
D L Chambers T B O'Connell
Entomol Soc Amer Ann 62(4):917-920
Jul 1969 420 EN82
Anastrepha ludens, Flight activity, Insect flight, Insect rearing equipment, Sex behavior.

8728-69
THE DEVELOPMENT AND LARVAL BEHAVIOR OF STIGMELLA MALELLA STAINTON. (LEP. STIGMELLIDAE). (FR)
J-P Chambon
Soc Entomol France Bull 73(3/4,MAR-APR):51-58
1968 420 F84B
Apples, Insect behavior, Insect eggs, Insect morphology, Insect pests, Larvae, Plant hosts, Stigmella malella, Stigmellidae.

8729-69
FREE AND PEPTIDE-BOUND AMINO ACIDS DURING THE LARVAL AND PUPAL STAGES OF THE YELLOW-FEVER MOSQUITO, AEDES AEGYPTI.
R L Chaput J N Liles
Entomol Soc Amer Ann 62(4):742-747 REF
Jul 1969 420 EN82
Aedes aegypti, Amino acids, Insect biochemistry, Larvae, Pupae.

8730-69
THE PRODUCTION OF CUTICLE WAX BY ENGORGED FEMALES OF THE CATTLE TICK, BOOPHILUS MICROPLUS (CANESTRINI).
L M Cherry
J Exp Biol 50(3):705-709 REF
Jun 1969 442.8 B77
Boophilus microplus, Cuticle, Insect physiology, Oogenesis, Oviposition.

8731-69
RESISTANCE TO TELODRIN IN THE GERMAN COCKROACH, BLATTELLA GERMANICA.
D G Cochran M H Ross
J Sci Food Agr 15(12):911-294-2
Dec 1964 382 SO12
Blattella germanica, Chlordane, Dieldrin, DDT, Insecticide resistant insects, Telodrin.

8732-69
CORN STUNT VECTOR LEAFHOPPER ATTRACTANCY TO AND OVIPOSITION PREFERENCE FOR HYBRID DENT CORN. I. DALBULUS MAIDIS.
H L Collins H N Pitre
Entomol Soc Amer Ann 62(4):770-772 REF
Jul 1969 420 EN82
Corn, Crop varieties, Dalbulus maidis, Insect vectors, Oviposition, Plant disease resistance, Stunt, Virus diseases (plants).

Results from a series of attractancy and oviposition tests conducted in a field cage in which Dalbulus maidis (Delong Wolcott) (Homoptera: Cicadellidae) was given free choice of corn hybrids indicated that this predator of corn stunt virus apparently does not prefer corn-stuntsuseeptible hybrids over hybrids exhibiting resistance.

8733-69
ESTERASES AND PHOSPHATASES IN THE GASTRIC SECRETION OF THE COCKROACH, PERIPLANETA AMERICANA.
B J Cook D R Nelson P Hipps
J Insect Physiol 15(4):581-589 REF
Apr 1969 421 J825
Electrophoresis, Esterases, Gastrointestinal system, Insect biochemistry, Insect physiology, Periplaneta americana, Phosphatases.

8734-69
NERVE-BLOCKING EFFECT OF BACILLUS THURINGIENSIS PROTEIN TOXIN.
K E Cooksey C Donninger J R Norris D Shankland
J Invertebrate Pathol 13(3):461-462
May 1969 421 J826
Bacillus thuringiensis, Insect physiology, Nervous system, Proteins, Toxicology, Toxins.

8735-69
LIVING DOORS.
W S Creighton
Natur Hist 76(10):71-73
Dec 1967 500 N483J
Blattidae, Camponotus, Cryptocerus, Insect behavior, Insect biology, Insect protective devices.

8736-69
ANOMALOUS DIMORPHISM IN AEDES VEXANS.
E W Cupp H W Fowler
Entomol Soc Amer Ann 62(4):914-917 REF
Jul 1969 420 EN82
Aedes vexans, Insect genetics, Insect morphology, Polymorphism, Temperature.

8737-69
WETANEMA HULA N. GEN. ET SP., A NEMATODE FROM THE WETA HEMIDEINA THORACICA (WHITE).
P S Dale
New Zealand J Sci 10(2):402-406
Jun 1967 514 N482
Insect diseases, Nematodes, Orthoptera, Taxonomy.

The new genus Wetanema is erected within the Thelastomatidae to accomodate a new species of nematode W. hula, from the intestine of the large-headed weta, Hemideina thoracica (Orthoptera; Stenopelmatidae). W. hula is the first thelastomatid nematode to be recorded of the superfamily Tettgonoidea. it is sometimes accompanied, within the host, by male nematodes of the genus Cephalobellus.

8738-69
BIOLOGY OF MELICHARES TARSALIS IN ASSOCIATION WITH PLODIA INTERPUNCTELLA.
P H Darst E W King
Entomol Soc Amer Ann 62(4):747-749
Jul 1969 420 EN82
Insect behavior, Insect biology, Melichares, Oviposition, Plodia interpunctella, Sex behavior.

8739-69
MARKING ADULT BOLL WEEVILS WITH DYES FED IN A COTTONSEED OIL BAIT.
R J Daum R T Gast T B Davich
J Econ Entomol 62(4):943-944
15 Aug 1969 421 J822
Anthonomus grandis, Baits, Cottonseed oil, Dyes, Imagos, Insect biochemistry, Labeling.

8740-69
HOW DIFFERENT ARE THE EASTERN AND WESTERN FORMS OF THE ALFALFA WEEVIL .
D W Davis
Utah Acad Sci Arts Lett Proc 44(1):353-357
1967 500 UT1
Hypera postica, Insect adaptation, Insect behavior, Insect taxonomy, Zoogeography.

8741-69
GLUTAMIC ACID REQUIREMENTS OF THE SAW-TOOTHED GRAIN BEETLE, ORYZAEPHILUS SURINAMENSIS (L.) (COLEOPTERA, SILVANIDAE).
G R F Davis
Compar Biochem Physiol 24(2):395-401 REF
Feb 1968 444.8 C73
Aspartic acid, Cytosine, Glutamic acid, Guanine, Insect nutrition, Insect physiology, Oryzaephilus surinamensis, Putrescine.

8742-69
HUMORAL AND NERVOUS PATHWAYS IN PHOTOPERIODIC INDUCTION OF DIAPAUSE IN LEPTINOTARSA DECEMLINEATA.
J De Wilde J A De Boer
J Insect Physiol 15(4):661-675 REF
Apr 1969 421 J825
Hemolymph, Insect physiology, Leptinotarsa decemlineata, Nervous system, Photoperiodism.

8743-69
EFFECT OF DDT ON INCORPORATION OF C14-LABELED GLUCOSE INTO PROTEIN AND SOLUBLE INTERMEDIATES OF NYMPHAL TRIATOMA INFESTANS.
E Del Villar D Mosnaim
Exp Parasitol 21(2):186-194 REF
Oct 1967 436.8 EX7
Amino acids, Carbon isotopes, DDT, Glucose, Insect metabolism, Insecticide resistant insects, Insecticides, Nymphs, Proline, Proteins, Radioactive tracers, Triatoma infestans, Tricarboxylic acid cycle.

Abstract: Third and fourth instar larvae differ in their tolerance to DDT, the latter being more resistant to the insecticide. The labeling pattern of protein amino acids indicates the presence of an active Krebs cycle in these insects which is apparently inhibited by DDT only in third instar larvae.

8744-69
REARING PHRYXE CAUDATA ROND. (LARVAEVORIDAE), A PARASITE OF THAUMETOPOAEA PYTOCAMPA SCHIFF. ON AN ALTERNATE HOST: GALLERIA MELLONELLA. (FR)
B Delobel P Laviolette
Acad Sci Compt Rend Ser D Sci Nat 268(20, 1ST SEMESTER):2436-2438
19 May 1969 505 P21
Galleria mellonella, Insect biology, Insect rearing, Parasitic insects, Tachinidae.

8745-69
NUCLEIC ACID IN INTACT NUCLEAR POLYHEDRAL BODIES ISOLATED FROM VIRUS-INFECTED FALL ARMYWORM, SPODOPTERA FRUGIPERDA.
E M Dougherty R M Faust
J Invertebrate Pathol 13(3):459-460
May 1969 421 J826
Biochemistry, Deoxyrihonucleic acid, Polyhedroses, Rihonucleic acid, Spodoptera frugiperda.

8746-69
THE EXISTENCE OF TWO OPTIONAL DIAPAUSES IN THE BIOLOGICAL CYCLE OF VILLA BRUNNEA BECK. (DIPT., BOMBYLIIDAE). (FR)
P Du Merle
Acad Sci Compt Rend Ser D Sci Nat 268(20, 1ST SEMESTER):2433-2435
19 May 1969 505 P21
Bombyliidae, Insect biology, Insect physiology, Life cycle, Metamorphosis, Villa.

8747-69
A NEW SPECIES OF THE GENUS PEGOSOMUM RATZ, 1903 (TREMATODA: ECHINOSTOMATIDAE).
M P Dwivedi
Natur Appl Sci Bul 20(3,JUL-SEP):259-265
Jul 1967 475 P532
Birds, Parasitism, Trematoda.

8748-69
CHARACTERS FOR DETERMINING SEX OF PUPAE OF THE OAKWORMS ANISOTA SENATORIA, A. STIGMA, AND A. VIRGINIENSIS, AND THE YELLOW-NECKED CATERPILLAR, DATANA MINISTRA.
F T Ehrlich R T Franklin R N Coulson
Entomol Soc Amer Ann 62(4):931-932
Jul 1969 420 EN82
Anisota, Anisota senatoria, Datana ministra, Insect identification, Insect morphology, Pupae.

8749-69
LIFE ON THE STICKY SUNDEW.
T Eisner
Natur Hist 76(6,JUN-JUL):32-35
Jul 1967 500 N483J
Insect behavior, Insect biology, Pterophoridae.

8750-69
FEMALE SPECIFIC PROTEIN: BIOSYNTHESIS CONTROLLED BY CORPUS ALLATUM IN LEUCOPHAEA MADERAE.
F Engelmann
Science 165(3891):407-409 REF
25 Jul 1969 470 SCI2
Insect eggs, Leucophaea maderae, Proteins, Reproduction.

8751-69
LANNATE - A NEW INSECTICIDE FOR THE CONTROL OF THE GIANT LOOPER AND OTHER PESTS.
D E Evans
Planters Chron 63(20):381-382
15 Oct 1968 22 P693
Accident prevention, Chemical control (insects), Coffee, Insect pests, Insecticides, Leaf miners, Methyl N-((methylcarbamoyl)oxy)thioacetimidate, S-, Tingidae.

8752-69
THE NATURAL CONTROL OF THE APPLE-GRASS APHID, RHOPALOSIPHUM INSERTUM, WITH REMARKS ON THE CONTROL OF APPLE APHIDS IN THE NETHERLANDS IN GENERAL.
H H Evenhuis
Neth J Plant Pathol 74(4):106-117 REF
1968 464.8 T44
Aphididae, Apples, Biological control (insects), Hyperparasitism, Insect biology, Insect pests, Insect physiology, Monoctonus, Parasitic insects, Population, Predaceous insects, Rhopalosiphum insertum, Weather, Zoogeography. Dutch summary.

8753-69
DISTRIBUTION AND EMERGENCE PATTERNS OF MAYFLIES EPHEMERA SIMULANS (EPHEMEROPTERA: EPHEMERIDAE).
C R Fremling G P Klock
Minn Acad Sci J 35(2-3):102-103 MAP
1969 500 M663
Ephemera simulans, Insect emergence, Surveys, Zoogeography.

8754-69
THE FINE STRUCTURE OF BABESIA OVIS (PIROPLASMIDEA) IN RHIPICEPHALUS BURSA (IXODOIDEA): TRANSFORMATION OF SPHERICAL FORMS TO VERMICULES. (GE)
K Friedhoff E Scholtyseck
Z Parasitenk 30(4):347-359 REF
26 Jul 1968 442.8 Z33F
Animal physiology, Babesia ovis, Biology, Insect vectors, Ixodidae, Ixodides, Morphology, Nematodes, Ovaries, Parasitism, Piroplasmosis, Rhipicephalus hursa. English summary.

8755-69
SEXUAL DIFFERENCE IN THE ACTIVITY OF PARS INTERCEREBRALIS-CORPUS CARDIACUM-CORPUS ALLATUM SYSTEM OF BOMBYX MORI. (FR)
S Fukuda S Takeuchi
Paris Soc Biol Compt Rend 161(5):1174-1177
25 Nov 1967 442.9 P21
Bombyx mori, Brain, Corpora allata, Corpora cardiaca, Endocrine glands, Insect physiology, Sex.

8756-69
THE ACTION OF ACTINOMYCIN D ON THE PIGMENTATION OF ALBINO MUTANTS OF THE LOCUST LOCUSTA MIGRATORIA CINERASCENS L. (ORTHOP.). (FR)
S Fuzeau-Braesch
Acad Sci Compt Rend Ser D Sci Nat 268(20, 1ST SEMESTER):2479-2482
19 May 1969 505 P21
Actinomycin D; Insect mutation, Insect physiology, Locusta migratoria, Pigments (insect).

8757-69
THE ACTION OF TEPA ON THE ADULTS OF DACUS OLEAE GMEL. (DIPTERA: TEPHRITIDAE) AS A FUNCTION OF THE QUANTITY OF THE CHEMOSTERILANT USED. (FR)
E Fytizas
Inst Phyto Patliol Benaki Ann 8(1):32-46 REF
1967 464.9 AT4
Biological control (insects), Chemical control (insects), Chemosterilants, Cochliomyia hominivorax, Dacus oleae, Dosage, Experimental insects, Insect genetics, Mortality, Tepa, Tephritidae, Toxicity.

8758-69
MODE OF ENTRY OF CONTACT INSECTICIDES.
P Gerolt
J Insect Physiol 15(4):563-580 REF
Apr 1969 421 J825

Autoradiography, Cuticle, Dieldrin, Insect physiology, Insecticides, Nervous system, Toxicology, Trachea.

8759-69
THE EXISTENCE OF LYSOSOMIC INCLUSIONS IN THE ADIPOSE CELLS OF PERIPLANETA AMERICANA (BLATTIDAE). (FR)
I D Gharagozlou
Acad Sci Compt Rend Ser D Sci Nat 268(20, 1ST SEMESTER):2455-2457 REF
19 May 1969 505 P21
Cytology, Fat body, Lysosomes, Periplaneta americana.

8760-69
MORPHOLOGY AND DEVELOPMENT OF AN OCCULUDED VIRUS FROM THE BLACK-SOIL SCARAB, OTHNONIUS BATESI.
R H Goodwin B K Filshie
J Invertebrate Pathol 13(3):317-329 REF
May 1969 421 J826
Electron microscopy, Physiology, Scarabaeidae.

Particles of a virus occluded in spheroidal protein crystals, similar to those of Vagoiavirus melolonthae of Melolontha melolontha, have been found in Othnonius batesi (scarabaeidae: Melolonthinae) collected from Glenn Innes, New South Wales, Australia. Macroscopic and microscopic disease signs were noted. The structure of virus particles within protein crystals has been studied by electron microscopy. A developmental cycle for the virus is proposed, based on observations of thin sections of fat body taken from living diseased specimens. It is proposed that viruses of this type should be called pheroidosis virus.

8761-69
AN ARTIFICIAL DIET FOR THE ADULT JAPANESE BEETLE.
H F Gooneweardene J E McKay
J Econ Entomol 62(4):964
15 Aug 1969 421 J822
Imagos, Insect nutrition, Ovulation, Popillia japonica.

8762-69
OCCURRENCE OF AN ALKALINE PHOSPHOMONDESTERASE ASSOCIATED WITH THE BROCHOSOMES IN THE MALPIGHIAN TUBULES OF CICADELLA VIRIDIS LIN. (HOMOPTERA). (FR)
J Gouranton
Paris Soc Biol Compt Rend 161(4):907-909
24 Oct 1967 442.9 P21
Cicadellidae, Insect biochemistry, Malpighian tubes, Phosphatases.

8763-69
ON THE PRODUCTION OF LIPOPROTEIC CORPUSCULES BY THE MALPIGHIAN TUBES IN SOME INSECTS. (FR)
J Gouranton P L Maillet
Paris Soc Biol Compt Rend 160(8-9):1724-1726 REF
04 Feb 1967 442.9 P21
Cicadellidae, Electron microscopy, Insect physiology, Lipoproteins, Malpighian tubes, Membracidae.

8764-69
TOXICITY OF OUABAIN (G-STROPHANTHIN) TO ADULT HOUSE FLIES.
A Grasso G Majori
J Econ Entomol 62(4):944-945
15 Aug 1969 421 J822
Glycosides, Imagos, Mortality, Musca domestica, Ouahain.

8765-69
BIOASSAY, PRELIMINARY PURIFICATION, AND EFFECT OF AGE, CROWDING, AND MATING ON THE RELEASE OF SEX PHEROMONE BY FEMALE TENEBRIO MOLITOR.
G M Happ J Wheeler
Entomol Soc Amer Ann 62(4):846-851
Jul 1969 420 EN82
Aging, Biological assay, Insect behavior, Insect biochemistry, Insect physiology, Pheromones, Sex behavior, Tenebrio molitor.

8766-69
DISPERSION OF RELEASED WHITE-PINE WEEVILS IN INTRASTAND GROWTH TYPES.
D M Harman H M Kulman
Entomol Soc Amer Ann 62(4):835-838
Jul 1969 420 EN82
Insect dissemination, Insect ecology, Pinus, Pissodes strobi, Soil-plant-animal relations.

Differences in rate of occurrence of released Pissodes strobi were manifest between bare soil, partial competition, and heavy shade cover types in a white pine plantation. Statistical analysis inferred that weevil occurrence was greatest in the partial competition cover type, followed in descending order by bare soil and heavy shade cover types.

8767-69
SEED-CORN MAGGOT RESISTANCE TO ALDRIN IN ILLINOIS.
C R Harris
J Econ Entomol 62(4):957-958
15 Aug 1969 421 J822
Aldrin, Carhofuran, Chlordane, Chlorinated hydrocarbons, Diazinon, Dieldrin, Disulfoton, DDT, Hylemya platura, Insecticide resistant insects, Lindane, Organophosphorus compounds, Phorate. Several experimental organophosphorus insecticides were included in the tests.

8768-69
USE OF A GENETICALLY MARKED STRAIN TO EVALUATE THE RETENTION OF MARKING DYES BY RELEASED SCREW-WORM FLIES.
B G Hightower C C Dawkins
J Econ Entomol 62(4):966-967
15 Aug 1969 421 J822
Cochliomyia hominivorax, Dyes, Fluorescent dyes, Insect genetics, Labeling.

8769-69
STRIDULATORY FILES AS DIFFRACTION GRATINGS IN MUTILLID WASPS.
H E Hinton D F Gibbs R Silberglied
J Insect Physiol 15(4):549-552
Apr 1969 421 J825
Insect morphology, Insect physiology, Light, Mutillidae, Stridulation.

8770-69
LABORATORY REARING OF SPALANGIA NIGROAENEA (HYMENOPTERA: PTEROMALIDAE).
C E Hoelscher R L Combs
Fla Entomol 55(2):103-105
May 1969 420 F662
Biological control (insects), Diptera, Insect rearing, Methodology, Pteromalidae.

A laboratory colony of Spalangia nigroaenea Curtis has been established to rear parasitoids in larger numbers than can be field collected. Sufficient parasitoids are being produced for various biological studies. This rearing procedure could be employed for studying other related species, or with modifications could he the basis for developing a biological control technique for various pest species of Diptera.

8771-69
THE ACTION OF THE ENDOCRINE SYSTEM AND THE OVARY ON THE HEMOGRAM OF LOCUSTA MIGRATORIA L. (ORTHOPTERA). THE ROLE OF THE VENTRAL GLAND. (FR)
J A Hoffman M Perolini
Acad Sci Compt Rend Ser D Sci Nat 268(20, 1ST SEMESTER):2469-2471
19 May 1969 505 P21
Endocrine glands, Glands (insects), Hemograms, Insect physiology, Locusta migratoria, Ovaries.

8772-69
LIFE HISTORY OF THE BOLL WEEVIL IN FIELD CAGES.
A R Hopkins H M Taft W James
J Econ Entomol 62(4):964-965
15 Aug 1969 421 J822
Anthonomus grandis, Cotton, Hibernation, Insect behavior, Insect biology, Insect physiology.

8773-69
CYTOPATHOLOGY OF A NUCLEOPOLYHEDROSIS OF THE BEET ARMYWORM, SPODOPTERA EXIGUA.
D K Hunter I M Hall
J Invertebrate Pathol 12(1):93-97
Oct 1968 421 J826
Cell nucleus, Cells, Cytopathology, Electron microscopy, Fat body, Larvae, Noctuidae, Nuclear polyhedrosis virus, Spodoptera exigua, Tissue culture, Virus diseases (insects).

8774-69
PATHOGENICITY OF A NUCLEAR-POLYHEDROSIS VIRUS OF THE BEET ARMYWORM, SPODOPTERA EXIGUA.
D K Hunter I M Hall
J Invertebrate Pathol 12(1):83-85
Oct 1968 421 J826
Biochemistry, Biological assay, Diet, Dosage, Experimental insects, Larvae, Noctuidae, Nuclear polyhedrosis virus, Spodoptera exigua, Tables (data), Virus diseases (insects).

8775-69
TIME REQUIRED FOR DEVELOPMENT OF VORIA RURALIS AND ITS HOST, THE CABBAGE LOOPER, AT DIFFERENT TEMPERATURES.
C G Jackson G D Butler D E Bryan
J Econ Entomol 62(1):69-70
17 Feb 1969 421 J822
Experimental insects, Insect morphology, Insect physiology, Temperature, Time, Trichoplusia ni, Voria ruralis.

8776-69
PHYTOPHAGOUS GROUND BEETLES.
N E Johnson R S Cameron
Entomol Soc Amer Ann 62(4):909-914 REF
Jul 1969 420 EN82
Carabidae, Food habits, Insect behavior, Phytophagous insects, Surveys.

This paper attempts to put in proper perspective the long-known but often overlooked phytophagous nature of many Carabidae (Coleoptera). More than 150 species are known to use vegetable matter as food in varying degrees, with some species using it almost exclusively. Included are laboratory and field observations on the feeding behavior of 14 species of carabids found on golf courses in New York State.

8777-69
HYDROCARBON METABOLISM IN INSECTS: OXIDATION OF HEXADECANE-1-C14 IN THE BOLL WEEVIL AND THE HOUSE FLY.
R L Joiner E N Lambremont
Entomol Soc Amer Ann 62(4):891-894 REF
Jul 1969 420 EN82
Anthonomus grandis, Hydrocarbons, Insect biochemistry, Insect metabolism, Musca domestica, Radioactive tracers.

8778-69
ETIELLA ZINCKENELLA TREIT-A POD BORER PEST OF CROTALARIA ANAGYROIDES H.B.K.
N N Kakoty
Tocklai Exp Sta Newslett 15(2):75
Jun 1968 68.18 T93
Caterpillars, Crotalaria anagyroides, Etiella zinckenella, Insect cultures, Insect morphology, Insect physiology, Plant injuries, Seed analysis, Tables (data).

8779-69
THE ROLE OF GAMMA-AMINOBUTYRIC ACID IN MOSQUITO-HOST INTERACTIONS: A HYPOTHESIS.
P Kashin
Entomol Soc Amer Ann 62(4):695-702 REF
Jul 1969 420 EN82

Culicidae, Insect behavior, Insect metabolism, Mammals, Stimulants.

8780-69
LIFE HISTORY OF UPIS CERAMBOIDES AT FAIRBANKS, ALASKA.
T Kaufmann
Entomol Soc Amer Ann 62(4):922-923
Jul 1969 420 EN82
Hibernation, Insect biology, Life cycle, Temperature, Tenebrionidae.

8781-69
IMMUNOFLUORESCENCE STUDIES ON THE MULTIPLICATION OF CYTOPLASMIC-POLYHEDROSIS VIRUS OF THE SILKWORM, BOMBYX MORI.
S Kawase S Miyajima
J Invertebrate Pathol 13(3):330-336 REF
May 1969 421 J826
Bombyx mori, Fluorescent antibody technic, Immunodiagnosis, Polyhedroses, Proteins.

8782-69
FIELD EVALUATION OF THREE GRANULAR SYSTEMIC INSECTICIDES FOR CONTROL OF THE APHIDS EULACHNUS AGILIS AND CINARA PINEA ON SCOTCH PINE.
W H Kearby M Bliss
J Econ Entomol 62(1):60-62
17 Feb 1969 421 J822
Chemical control (insects), Cinara pinea, Disulfoton, Eulachnus agilis, Insecticides, Pinus sylvestris.

8783-69
NOTES ON BIOLOGY OF CLERID BEETLES THAT ATTACK IPS SPP. IN UPPER SOUTH CAROLINA.
W E King R C Fox
Entomol Soc Amer Ann 62(4):924-925
Jul 1969 420 EN82
Cleridae, Insect biology, Ips, Predaceous insects.

8784-69
CONCERNING THE VALIDITY OF THE CAPTURE RESULTS OF INSECT TRAPS, TOGETHER WITH AN ATTITUDE TOWARD THE WORK OF H. PETERS, HEIDELBERG, ON SYNANTHROPIC FLIES. (GE)
E Kirchberg
Deut Entomol Z 16(1-3):131-139
01 May 1969 421 D48
Insect collecting equipment, Insect traps, Methodology, Statistics, Surveys.

8785-69
BIONOMIC NOTES ON THE SOLITARY EVYLAEUS OENOTHERAE (STEVENS) (HYMENOPTERA: HALICTINAE), A MATINAL SUMMER BEE VISITING CULTIVATED ONAGRACEAE.
G Knerer P MacKay
Can J Zool 47(3):289-294 REF
May 1969 470 C16D
Feeding, Halictidae, Hibernation, Insect behavior, Insect ecology, Insect nests, Lasioglossum oenotherae, Onagraceae.

8786-69
ACETYLCHOLINESTERASE POLYMORPHISM IN THE FACE FLY (DIPTERA: MUSCIDAE).
C O Knowles S K Arurkar
Kans Entomol Soc J 42(1):39-45 REF
Jan 1969 420 K13
Acetylcholinesterases, Electrophoresis, Insect biochemistry, Muscidae, Polymorphism.

Multiple forms of the face fly head acetylcholinesterase (AChE) were resolved electrophoretically in acrylamide gel. Three soluble zones were present: however, the major portion of the AChE was associated with various particulate centrifugal fractions and was extractable with the detergent Triton X-100.

8787-69
ON THE BIONOMICS OF THE CLEARWING CHAMAESPHECIA COLPIFORMIS (STAUDINGER, 1850) (LEPIDOPTERA, SESIIDAE). (GE
M Kralicek
Acta Ent Bohemoslov 64(3):236-237
1967 420 C33
Aegeriidae, Insect behavior, Insect ecology. English and Czech abstracts.

8788-69
CHEMOSENSORY RELATIONSHIP BETWEEN EPILACHNA VIGINTIOCTO-PUNCTATA AND ITS HOST PLANT, LUFFA AEGYPTIACA.
S S Krishna A K Sinha
Entomol Soc Amer Ann 62(4):928-929
Jul 1969 420 EN82
Chemoreceptors, Cucurbitaceae, Epilachna, Food habits, Insect behavior.

8789-69
THE UNNATURAL HISTORY OF THE ANT LION.
J W Krutch
Natur Hist 77(3):14-16,18,20
Mar 1968 500 N483J
History, Literature, Myrmeleontidae.

8790-69
ON THE SCHIZOPHYTA-LIKE APPEARANCE OF THE FLAGELLA OF TERMITE SYMBIONTS. (FR)
A Lavette
Acad Sci Compt Rend Ser D Sci Nat 268(21, 1ST SEMESTER):2585-2587
28 May 1969 505 P21
Bacteria, Flagella, Morphology, Symbiosis, Termites.

8791-69
SOME OBSERVATIONS ON THE MORPHOLOGY AND HISTOLOGY OF THE ALIMENTARY CANAL OF THE FRUIT-SUCKING MOTH SERRODES INARA CRAM. (LEPIDOPTERA: NOCTUIDAE).
D S Le Grice
S Afr J Agr Sci 11(4):789-796
Dec 1968 24 SU3
Gastrointestinal system, Insect histology, Insect morphology, Serrodes.

8792-69
EGG MATURATION IN MOSQUITOES NOT REGULATED BY THE CORPORA ALLATA.
A O Lea
J Insect Physiol 15(4):537-541
Apr 1969 421 J825
Aedes aegypti, Corpora allata, Culex pipiens, Hormones, Oogenesis.

8793-69
DEVELOPMENTAL INHIBITION IN DROSOPHILA USING DIHYDROXYBENZOIC ACID ISOMERS.
W C Levengood R Damrauer
J Insect Physiol 15(4):633-641 REF
Apr 1969 421 J825
Drosophila melanogaster, Hormones, Inhibitors, Insect biochemistry, Insect physiology, Isomers.

8794-69
ECOLOGICAL RESEARCH IN THE LAMTO SAVANNAH (IVORY COAST): PRELIMINARY DATA ON THE POPULATIONS OF TERRESTRIAL ANTS. (FR
J Levieux
Terre Vie (3,JUL-SEP):278-296 REF
Sep 1967 410.9 P21
Formicidae, Insect ecology, Population, Surveys. English abstract.

8795-69
ASCORBIC ACID AND UNSATURATED FATTY ACIDS IN THE NUTRITION OF THE EGYPTIAN COTTON LEAFWORM, PRODENIA LITURA.
H Z Levinson A Navon
J Insect Physiol 15(4):591-595 REF
Apr 1969 421 J825
Ascorbic acid, Fatty acids, Insect nutrition, Insect physiology, Prodenia litura.

8796-69
THE MANDIBLES OF TWO SOUTH AMERICAN GRASSHOPPERS. (SP)
J Liebermann
Argent Secretar Estad Agr Ganad Publ Tec 5(5):53-6
Jul 1968 464.9 AR325
Insect anatomy, Insect behavior, Insect nutrition, Orthoptera. English summary.

8797-69
STUDIES ON LARVAL DEVELOPMENT IN CULICOIDES FURENS (POEY) (DIPTERA: CERATOPOGONIDAE). I. ESTABLISHMENT OF A STANDARD REARING TECHNIQUE.
J R Linley
Entomol Soc Amer Ann 62(4):702-711 REF
Jul 1969 420 EN82
Culicoides furens, Insect nutrition, Insect physiology, Insect rearing, Methodology.

8798-69
ALATE APHIDS TRAPPED OVER 8 YEARS AT TWO SITES IN CANTERBURY, NEW ZEALAND.
A D Lowe
New Zeal J Agr Res 11(4):829-848 REF
Nov 1968 23 N4892
Aphididae, Grain, Insect control, Insect pests, Insect traps, Population, Potatoes, Statistical distributions, Vegetables, Zoogeography.

8799-69
THE INCIDENCE OF PARASITISM AND DISEASE IN SOME POPULATIONS OF THE CABBAGE APHID,(BREVICORYNE BRASSICAE L.) IN NEW ZEALAND.
A D Lowe
New Zeal J Agr Res 11(4):821-828
Nov 1968 23 N4892
Aphididae, Brevicoryne brassicae, Cabbage, Entomogenous fungi, Entomophthora, Insect diseases, Insect ecology, Insect pests, Insect rearing, Parasitic insects, Population, Zoogeography.

8800-69
SIMULTANEOUS INFECTION WITH THE NUCLEOPOLYHEDROSIS AND GRANULOSIS VIRUSES OF TRICHOPLUSIA NI.
R E Lowe J D Paschke
J Invertebrate Pathol 12(1):86-92 REF
Oct 1968 421 J826
Dosage, Experimental insects, Granuloses, Larvae, Mortality, Nuclear polyhedrosis virus, Tables (data), Trichoplusia ni, Virus diseases (insects).

8801-69
HEAT EFFECTS ON THE INFECTIVITY OF THE NUCLEAR POLYHEDROSIS VIRUS OF HELIOTHIS SPP.
J J MacFarlane L L Keeley
J Econ Entomol 62(4):925-929 REF
15 Aug 1969 421 J822
Heat, Heliothis virescens, Heliothis zea, Polyhedroses, Temperature.

8802-69
SEXUAL CHARACTERS OF THE INSTARS OF BLABERUS DISCOIDALIS AND AN ANALYSIS OF GROWTH IN THIS COCKROACH.
T R Manley
Entomol Soc Amer Ann 62(4):734-737
Jul 1969 420 EN82
Blaberus discoidalis, Insect physiology, Metamorphosis, Sex.

8803-69
THE RAIDING BEHAVIOR OF POLYERGUS LUCIDUS LUCIDUS IN CENTRAL ILLINOIS (HYMENOPTERA: FORMICIDAE).
J C Marlin
Kans Entomol Soc J 42(1):108-115
Jan 1969 420 K13
Formicidae, Insect behavior.

8804-69
FLUCTUATIONS IN NATURAL POPULATIONS OF DROSOPHILA WITH SPECIAL ATTENTION TO SEX RATIO.
J C Martin R Stevenson
W Va Acad Sci Proc 39:279-286 MAP REF
1967 500 W52
Drosophila, Environment, Population, Sex, Statistical analysis.

8805-69
HISTOPATHOLOGICAL DATA ON AMOEBIASIS IN ACRIDIDAE. (FR)
R Martoja
Acad Sci Compt Rend Ser D Sci Nat 268(20, 1ST SEMESTER):2442-2445 REF
19 May 1969 505 P21
Acrididae, Amebiasis, Insect diseases.

8806-69
STUDIES ON CHRYSANTHEMIC ACID. PART XVIII. A NEW BIOLOGICALLY ACTIVE ACID COMPONENT RELATED TO CHRYSANTHEMIC ACID.
M Matsui T Kitahara
Agr Biol Chem 31(10):1143-1150
Oct 1967 385 AG8B
Allethrin, Chemical structure, Culicidae, Insecticides, Musca domestica, Pyrethrum, Tetramethylcyclopropanecarboxylic acid, 2,2,3,3-.

8807-69
A DIFFERENTIAL STAINING TECHNIQUE FOR A MOSQUITO IRIDESCENT VIRUS.
J F Matta R E Lowe
J Invertebrate Pathol 13(3):457-458
May 1969 421 J826
Aedes taeniorhynchus, Histology, Methodology, Mosquito iridescent virus, Staining.

8808-69
CONTROL OF HAEMOLYMPH LIPID CONCENTRATION DURING LOCUST FLIGHT: AN ADIPOKINETIC HORMONE FROM THE CORPORA CARDIACA.
R J Mayer D J Candy
J Insect Physiol 15(4):611-620 REF
Apr 1969 421 J825
Corpora allata, Hemolymph, Insect biochemistry, Insect flight, Insect hormones, Lipids, Schistocerca gregaria.

8809-69
FATTY ACIDS, METHYL ESTERS AND INSECT GROWTH.
J E McFarlane
Compar Biochem Physiol 24(2):377-384 REF
Feb 1968 444.8 C73
Esters, Fatty acids, Growth factors, Gryllodes sigillatus, Insect physiology.

8810-69
TWO JUVENILE HORMONES IN CECROPIA SILK MOTH.
A S Meyer H A Schneiderman E Hanzmann
Fed Amer Soc Exp Biol Fed Proc 27(2):393
Mar 1968 442.9 F31P
Hormones, Hyalophora cecropia, Insect biochemistry, Insect physiology, Methionine, Mevalonate kinase, Spectroscopy.

8811-69
THE VARIED FARE OF THE HONEYBEE.
R A Morse
Natur Hist 78(6,JUN-JUL):58-65
Jul 1969 500 N483J
Apiculture, Apis mellifera, Food plants, Honey, Insect nutrition.

8812-69
TRAILS OF THE LEAFCUTTERS.
J C Moser
Natur Hist 76(1):33-35
Jan 1967 500 N483J
Atta, Atta texana, Insect ecology, Pheromones, Scent glands, Zoogeography.

8813-69
A RED, FLUORESCENT PROTEIN FROM SILKWORM.
J Mukai J Inouye S Akune
Agr Biol Chem 33(1):125-127
Jan 1969 385 AG8B
Bombyx mori, Larvae, Proteins, Rice.

8814-69
TRITHION-A NEW ACARICIDE.
T D Mukerjea
Tocklai Exp Sta Newslett 15(2):53-60
Jun 1968 68.18 T93
Acaricides, Carbophenothion, Chemical control (insects), Insect control, Insect pests, Insecticides, Manufacturing costs, Mites, Organophosphorus compounds, Pesticide residues, Phytotoxicity, Spraying, Tables (data), Tea, Tetranychidae.

8815-69
GEL ELECTROPHORESIS OF SOME DEHYDROGENASES FROM FLIGHT MUSCLES OF TSETSE FLIES (GLOSSINA MORSITANS) AND HOUSEFLIES (MUSCA DOMESTICA).
J Muus
Compar Biochem Physiol 24(2):527-536 REF
Feb 1968 444.8 C73
Dehydrogenases, Electrophoresis, Flight, Glossina morsitans, Insect biochemistry, Musca domestica, Muscles.

8816-69
DIFFERENTIATION OF PARASITIZED AND UNPARASITIZED PUPAE OF THE MELON FLY AND ORIENTAL AND MEDITERRANEAN FRUIT FLIES.
S Nakagawa R T Cunningham G J Farias
J Econ Entomol 62(4):970-971
15 Aug 1969 421 J822
Biological control, Ceratitis capitata, Dacus cucurbitae, Dacus dorsalis, Fruit, Melons, Opius, Parasitic insects, Pupae.

8817-69
OBSERVATIONS ON THE IMMATURE STAGES OF CORDILURA (ACHAETELLA) DECEPTIVA AND C. (A.) VARIPES.
S E Neff J B Wallace
Entomol Soc Amer Ann 62(4):775-785 REF
Jul 1969 420 EN82
Anthomyiidae, Carex, Food habits, Insect biology, Insect morphology, Insect taxonomy, Larvae, Pupae.

8818-69
THE METHOD AND ROLE OF VERTICAL TRANSMISSION OF A NUCLEOPOLYHEDROSIS VIRUS IN THE EUROPEAN SPRUCE FLY, DIPRION HERCYNIAE.
M M Neilson D E Elgee
J Invertebrate Pathol 12(1):132-139 REF
Oct 1968 421 J826
Diprion hereyniae, Disease transmission, Experimental insects, Foliage, Insect rearing, Plant contamination, Polyhedroses, Tables (data), Virus diseases (insects).

8819-69
SUSCEPTIBILITY OF ANOPHELES (MYZOMYIA) STEPHENSI TO PLASMODIUM CATHEMERIUM. (IT)
I Neri M H T Ribeiro
Parassitologia 10(2-3,OCT-DEC):151-153
Dec 1968 436.8 P212
Anopheles stephensi, Birds, Insect vectors, Plasmodium. English abstract.

8820-69
WATER BALANCE IN THE FIREBRAT, THERMOBIA DOMESTICA (PACKARD). EXCHANGES OF WATER WITH THE ATMOSPHERE.
J Noble-Nesbitt
J Exp Biol 50(3):745-769 REF
Jun 1969 442.8 B77
Humidity, Insect metabolism, Thermobia domestica, Thysanura, Water.

8821-69
MORPHOLOGY OF THE LARVAL AND ADULT BRAINS OF THE MONARCH BUTTERFLY, DANAUS PLEXIPPUS PLEXIPPUS, L.
R H Nordlander J S Edwards
J Morphol 126(1):67-93 REF
Sep 1968 444.8 J826
Brain, Danaidae, Danaus plexippus, Imagos, Insect morphology, Insect physiology, Larvae.

8822-69
EXPERIMENTS WITH BEAUVERIA BASSIANA (BALS) VUILL. AGAINST BLASTOPHAGUS PINIPERDA L. (COL., SCOLYTIDAE). (GE)
M Nuorteva M Salonen
Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 34(2):49-55 REF
Jun 1968 421 SU7
Beauveria bassiana, Biological control (insects), Blastophagus piniperda, Fungi, Insecticides, Mortality, Parasitism, Scolytidae, Spraying.

8823-69
THE INFESTATION OF TIMBER BY BARK BEETLES (COL., SCOLYTIDAE) AND THEIR ENEMIES IN DIFFERENT ZONES OF THE FINNISH SOUTHWESTERN ARCHIPECAGO.
M Nuorteva P Nuorteva
Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 34(2):56-65 MAP REF
Jun 1968 421 SU7
Biological control (insects), Blastophagus piniperda, Breeding, Parasitism, Pityogenes chalcographus, Pityogenes quadridens, Rhopalicus guttatus, Scolytidae, Timber.

8824-69
THE HASTATE SETAE OF CERTAIN DERMESTID LARVAE: AN ENTANGLING DEFENSE MECHANISM.
W L Nutting H G Spangler
Entomol Soc Amer Ann 62(4):763-769 REF
Jul 1969 420 EN82
Dermestidae, Hair, Insect behavior, Insect protective devices.

8825-69
A NATURAL HYBRID BUTTERFLY OF THE GENUS VANESSA IN NEW ZEALAND.
R G Ordish
Wellington Dominion Mus Rec 6(11):141-144
29 Jan 1969 514 W462R
Hybrids, Insect color, Insect morphology, Nymphalidae, Reproductive organs.

8826-69
DISCRIMINATION BETWEEN MOVEMENTS OF EYE AND OBJECT BY VISUAL INTERNEURONES OF CRICKETS.
J Palka
J Exp Biol 50(3):723-732 REF
Jun 1969 442.8 B77
Acheta domesticus, Eyes, Insect physiology, Nervous system, Vision.

8827-69
NON-HOMOGENEOUS CONDUCTION IN GIANT AXONS OF THE NERVE CORD OF PERIPLANETA AMERICANA.
I Parnas M E Spira R Werman F Bergmann
J Exp Biol 50(3):635-649 REF
Jun 1969 442.8 B77
Electrophysiology, Nervous system, Nicotine, Periplaneta americana.

8828-69
THE EFFECTS OF PERFUSION ON THE SYNTHESIS AND RELEASE OF BLOOD PROTEINS BY DIAPAUSING PUPAE OF THE CECROPIA SILKWORM.
N G Patel H A Schneiderman
J Insect Physiol 15(4):643-660 REF
Apr 1969 421 J825
Blood proteins, Hemolymph, Hyalophora cecropia, Insect physiology, Pupae.

8829-69
HAEMOGLOBIN OF ANISOPS NIVEUS (NOTONECTIDAE, HETEROPTERA).

S Patel B Patel
Cur Sci 38(7):163-164
05 Apr 1969 475 SCI23
Anisops, Hemoglobin, Insect physiology, Notonectidae.

8830-69
COMPARATIVE TOXICITES OF CRYSTAL SEROTYPES OF BACILLUS THURINGIENSIS FOR LARVAE OF PHILOSAMIA CYNTHIA VAR. RICINI.
I R Pendleton
J Invertebrate Pathol 13(3):423-428 REF
May 1969 421 J826
Bacillus thuringiensis, Biological control (insects), Insect diseases, Samia cynthia, Toxicology.

8831-69
ECOLOGICAL SIGNIFICANCE OF ANTIBIOTICS OF SOME VARIETIES OF BACILLUS THURINGIENSIS.
I R Pendleton
J Invertebrate Pathol 13(2):235-240
Mar 1969 421 J826
Antibiotics, Bacillus thuringiensis, Ecology, Insect diseases, Samia cynthia, Surveys.

Antibiotic production and sensitivity in 80 strains of crystalliferous bacteria was investigated by a cross-streaking method. Antibiotic activity of a few strains was also determined against a variety of named bacteria and bacteria isolated from larvae of Philosamia cynthia var. ricini. Studies with infections in larvae due to a mixture of two strains of crystalliferous bacteria (bacillus thuringiensis) demonstrated that antihiotic production, rather than pathogenicity, determined dominance of one strain.

8832-69
SPRING DISPERSAL OF SOME LEAFHOPPERS AND APHIDS.
A G Peterson J D Bates R S Saini
Minn Acad Sci J 35(2-3):98-102 MAP REF
1969 500 M663
Aphididae, Cicadellidae, Insect dissemination, Weather.

Two species of leafhoppers and four species of cereal aphids appear to he transported to Minnesota each spring on strong winds from the south or southwest. Weather conditions favorable for northward movement of these insects consist of a high pressure area over the eastern states, a low pressure area over the western plains, and the resulting strong, persistent, south wind which is often called a low-level jet.

8833-69
EFFECT OF BIOTIN ON THE FERTILITY OF THE YELLOW FEVER MOSQUITO, AEDES AEGYPTI (L.).
M K K Pillai B V R Madhukar
Naturwissenschaften 56(4):218-219
Apr 1969 474 N213
Aedes aegypti, Biotin, Fertility, Insect nutrition, Insect physiology, Reproduction.

8834-69
TANDEM LINKAGE IN DICHOPTIC AND OTHER ANISOPTERA (ODONATA).
E Pinhey
Southern Rhodes Nat Mns Occas Pap 4(28B):137-207 REF
10 Jan 1969 515 R342
Insect hehavior, Insect physiology, Odonata.

8835-69
A NEW VIRUS OF DROSOPHILA MELANOGASTER, VIRUS PI. (FR)
N Plus J L Duthoit
Acad Sci Compt Rend Ser D Sci Nat 268(18, 1ST SEMESTER):2313-2315
05 May 1969 505 P21
Drosophila melanogaster, Electron microscopy, Insect diseases, Morphology.

8836-69
DESCRIPTION OF IMMATURE STAGES OF NOCTUISEIUS TREATI PRASAD (ACARINA: PHYTOSEIIDAE).
V Prasad
Entomol Soc Wash Proc 71(2):151-153
Jun 1969 420 W27
Aehaea janata, Insect anatomy, Insect eggs, Insect morphology, Larvae, Mites, Moths, Noctuiseius treati, Nymphs, Parasitic insects.

8837-69
AN ELECTRON MICROSCOPE STUDY OF NEBENKERN FORMATION AND DIFFERENTIATION IN SPERMATIDS OF MURGANTIA HISTRIONICA (HEMIPTERA, PENTATOMIDAE).
S A Pratt
J Morphol 126(1):31-65 REF
Sep 1968 444.8 J826
Electron microscopy, Insect morphology, Insect physiology, Mitochondria, Murgantia histrionica, Pentatomidae, Spermatocytes, Spermatogenesis.

8838-69
BIOLOGY OF THE SPIDER MITE, TETRANYCHUS EVANSI.
A H Qureshi E R Oatman C A Fleschner
Entomol Soc Amer Ann 62(4):898-903
Jul 1969 420 EN82
Humidity, Insect biology, Oviposition, Tetranychus.

8839-69
COCKROACH CONTROL IN CHICAGO'S LINCOLN PARK ZOO.
S Rachesky
Pest Contr 37(6):10-14
Jun 1969 449.8 EX8
Blattidae, Chemical control (insects), Isopropoxyphenyl methylcarbamate, o-, Zoo animals.

8840-69
A TECHNIQUE FOR REARING LARVAE OF THE BOLLWORM AND TOBACCO BUDWORM IN LARGE NUMBERS.
J R Raulston P D Lingren
J Econ Entomol 62(4):959-961 REF
15 Aug 1969 421 J822
Heliothis virescens, Heliothis zea, Insect rearing, Insect rearing equipment, Larvae.

8841-69
COMPARATIVE PRODUCTION OF PHEROMONE BY THE CALIFORNIA RED SCALE REARED ON LEMONS AND POTATOES.
R E Rice D S Moreno
J Econ Entomol 62(4):958-959
15 Aug 1969 421 J822
Aonidiella aurantii, Biological assay, Hormones, Insect hehavior, Insect biochemistry, Lemons, Pheromones, Potatoes, Sex hehavior.

8842-69
EFFECT OF MALE ACCESSORY MATERIAL ON OVIPOSITION AND MATING BY FEMALE HOUSE FLIES.
J G Riemann B J Thorson
Entomol Soc Amer Ann 62(4):828-834 REF
Jul 1969 420 EN82
Attractants, Insect behavior, Musca domestica, Oviposition, Sex hehavior.

8843-69
MIMICRY: THE DECEPTIVE WAY OF LIFE.
M Rothschild
Natur Hist 76(2):44-51
Feb 1967 500 N483J
Insect protective devices, Mimicry, Reviews.

8844-69
NEMATODES OF THE FAMILY TETRADONEMATIDAE, PARASITIZING IN MEMBERS OF THE FAMILY SIMULIIDAE (DIPTERA). (RUS)
I A Ruheov
Helminthologia 7(1/4):165-198 REF
1966 436.8 H36
Diagnosis, Diptera, Nematodes, Parasitism, Simuliidae, Taxonomy. English and German summaries.

8845-69
SELECTIVE TOXICITY OF SYSTEMIC INSECTICIDES.
T Saito
Residue Rev 25:175-186 REF
1969 389.9 R314
Insect physiology, Systemic insecticides, Toxicity, Trichlorfon.

8846-69
RESPIRATION OF BLASTOSPORES OF THE FUNGUS BEAUVERIA BASSIANA DURING SUBMERSED CULTIVATION IN THE PRESENCE OF CERTAIN SUGARS.
A Samsinakova E Hrabetova
J Invertebrate Pathol 13(3):382-385
May 1969 421 J826
Beauveria bassiana, Biochemistry, Galleria mellonella, Respiration, Sugars.

8847-69
THE GROUP EFFECT IN THE TESTS ON INSECTICIDE RESISTANCE IN AEDES AEGYPTI. (FR)
J Sautet J Aldigheri M Quilici
World Health Organ Bull 38(6):967-970
1968 449.9 W892B
Aedes aegypti, Chemical control (insects), DDT, Dosage, Experimental insects, Insecticide resistant insects, Mortality. English summary

8848-69
MIGRATION OF AN ANHOLOCYCLIC STRAIN OF THE SPOTTED ALFALFA APHID INTO NEBRASKA.
J M Schalk G R Manglitz
J Econ Entomol 62(4):946-947
15 Aug 1969 421 J822
Aphididae, Insect migration, Therioaphis maculata.

8849-69
ANTIRESISTANT DDT CONTINUES TO OFFER SUPERIOR FLY CONTROL.
G E Schmolesky P H Derse
Agr Chem 18(3):24-25,111
Mar 1963 381 AG8
Chemical control (insects), DDT, Insecticide resistant insects, Musca domestica.

8850-69
CONTROL OF MITES AND APHIDS ON AND IN BULBS.
J C Schread
Conn Agr Exp Sta Bull (699):3-11
Apr 1969 100 C76ST (1)
Acyrthosiphon solani, Aphididae, Bacterial diseases (plants), Bulbs, Carbon disulfide, Demeton, Dysaphis tulipae, Insect control, Malathion, Mites, Nicotine, Paradichlorobenzene, Rhizoglyphus echinopus, Tetradifon.

8851-69
ESTERS OF BENZIMIDAZOLECARBAMIC ACID AS MITE OVICIDES. PATENT 3,427,388.
J K Scoggin
Us Patent Office Offic Gaz 859(2):608
11 Feb 1969 156.65 OF2
Benzimidazole compounds, Chemical control (insects), Esters, Mites, Ovicides, Patents.

8852-69
SIGMA VIRUS MULTIPLICATION IN WHOLE-ANIMAL CULTURE OF DROSOPHILA.
R L Seecof
Virology 38(1):134-139 REF
May 1969 448.8 V81
Culture media, Diptera, Drosophila melanogaster, Insect diseases, Larvae, Virology.

8853-69
BURSICON MEDIATION OF TYROSINE HYDROXYLATION DURING TANNING OF THE ADULT CUTICLE OF THE FLY, SARCOPHAGA BULLATA.
M Seligman S Friedman G Fraenkel
J Insect Physiol 15(4):553-562 REF

Apr 1969 421 J825
Chemical reactions, Cuticle, Dopa, Insect biochemistry, Insect physiology, Sarcophaga bullata, Tyrosine.

Alpha MDH, a potent decarboxylase inhibitor, prevents hardening and darkening of the cuticle of adult flies when injected soon after eclosion. This effect is accompanied by an accumulation of DOPA. If the release of bursicon from the CNS is blocked no DOPA accumulates. It would appear, therefore, that one of the actions of bursicon in the regulation of adult tanning is involved with the control of the activation of tyrosine hydroxylation.

8854-69
LACK OF MULTIPLICATION OF SIMIAN VIRUS 40 (SV40) IN EXPERIMENTALLY INFECTED MOSQUITOES.
K V Shah R Behin I. F Rozeboom
Soc Exp Biol Med Proc 126(1):277-279
Oct 1967 442.9 SO1
Culicidae, Disease transmission, Insect diseases, Insect vectors, Simian adenoviruses.

8855-69
A NEW TECHNIQUE TO OBSERVE THE ACTIVITY OF CAMBIUM MINERS.
J M Skelly W H Kearby
Entomol Soc Amer Ann 62(4):932-933
Jul 1969 420 EN82
Agromyzidae, Autoclaves, Food habits, Insect behavior, Methodology.

8856-69
SENSE ORGANS ON THE ANTENNAL FLAGELLUM OF A GIANT COCKROACH, GROMPHADORHINA PORTENTOSA, AND A COMPARISON WITH THOSE OF SEVERAL OTHER SPECIES (DICTYOPTERA, BLATTARIA).
E H Slifer
J Morphol 126(1):19-29 REF
Sep 1968 444.8 J826
Antennae, Blattidae, Chemoreceptors, Flagella, Gromphadorhina portentosa, Insect biochemistry, Insect morphology, Sense organs.

8857-69
A LABORATORY TESTING PROGRAMME FOR ASSESSING FIELD PERFORMANCE OF ACARICIDES AGAINST TETRANYCHUS URTICAE (KOCH).
A G Smith
New Zeal J Agr Res 11(4):863-873
Nov 1968 23 N4892
Acaricides, Butyl-4,6-dinitrophenyl isopropyl carbonate, 2-sec-, Carbophenothion, Chemical control (insects), Insect pests, Insecticide resistant insects, Insecticide susceptible insects, Insecticide trials, Insecticides, Larvae, Lepidoptera, Methyl demeton, Mites, Nitrated phenols, Tetranychus urticae.

8858-69
A METHOD OF REARING THE PEACH TREE BORER ON ARTIFICIAL DIET.
H R Smith E G Richardson C E Yonce S W Jacklin
J Econ Entomol 62(4):961-962
15 Aug 1969 421 J822
Insect nutrition, Insect rearing, Sanninoidea exitiosa.

8859-69
THE PCO MARKET IN TICK CONTROL.
R Snetsinger
Pest Contr 37(6):16-20
Jun 1969 449.8 EX8
Dogs, Insect control, Ixodides, Pest control operators.

8860-69
MATING PROPENSITY, CHROMOSOMAL POLYMORPHISM, AND DEPENDENT CONDITIONS IN DROSOPHILA PERSIMILIS. II. FACTORS BETWEEN LARVAE AND BETWEEN ADULTS.
E B Spiess L D Spiess
Evolution 23(2):225-236 REF
Jun 1969 443.8 EV62
Aging, Chromosomes, Drosophila, Insect behavior, Larvae, Polymorphism, Population.

8861-69
ORGANIZATION OF THE GIANT AXONS OF THE COCKROACH PERIPLANETA AMERICANA.
M E Spira I Parnas F Bergmann
J Exp Biol 50(3):615-627 REF
Jun 1969 442.8 B77
Electrophysiology, Insect physiology, Nervous system, Nicotine, Periplaneta americana.

8862-69
HISTOLOGICAL AND ELECTROPHYSIOLOGICAL STUDIES ON THE GIANT AXONS OF THE COCKROACH PERIPLANETA AMERICANA.
M E Spira I Parnas F Bergmann
J Exp Biol 50(3):629-634
Jun 1969 442.8 B77
Electrophysiology, Insect histology, Nervous system, Periplaneta americana.

8863-69
HUMIDITY PREFERENCE OF THE ALFALFA WEEVIL, HYPERA POSTICA, AS AFFECTED BY MICROENVIRONMENTAL AND PHYSIOLOGICAL CONDITIONS.
S D Springer R L Pienkowski
Entomol Soc Amer Ann 62(4):904-909 REF
Jul 1969 420 EN82
Aging, Humidity, Hypera postica, Insect behavior, Light, Starvation, Temperature.

8864-69
PRELIMINARY STUDIES OF THE RELEASE IN 1965 ON THE ISLAND OF CHALKI, OF OPIUS CONCOLOR SZEPL. (HYMEN, BRACONIDAE) A PARASITE OF DACUS OLEAE GMEL. (DIPT. TRYPETIDAE). (FR)
H Stavraki-Pavlopoulou
Inst Phyto Pathol Benaki Ann 8(1):23-31 MAP REF
1967 464.9 AT4
Biological control (insects), Braconidae, Dacus oleae, Hibernation, Insect dissemination, Olives, Opius concolor, Parasitism, Tables (data), Trypetidae.

8865-69
A CONTRIBUTION TO THE STUDY OF THE GREEK SPECIES INJURIOUS TO CORN, OF THE GENUS SESAMIA (LEPIDOPTERA-NOCTUIDAE). (FR
G Stavrakis
Inst Phyto Pathol Benaki Ann 8(1)19-22
1967 464.9 AT4
Corn, Heliothis armigera, Insect biology, Insect identification, Insect pests, Noctuidae, Ostrinia nubilalis, Sesamia nonagrioides.

8866-69
TERATOLOGY OF THE BEETLE TENEBRIO MOLITOR. IV. ULTRASTRUCTURE OF THE NECROTIC FAT BODY AND FOREGUT ASSOCIATED WITH THE PUPAL-WINGED ADULT.
E A Steinhaus R P Zeikus
J Invertebrate Pathol 13(3):337-344
May 1969 421 J826
Electron microscopy, Fat body, Gastrointestinal system, Insect morphology, Tenebrio molitor.

8867-69
A CASE OF PARTIALLY REDUPLICATED ANTENNA IN MINETTIA OBSCURA (LOEW) (DIPTERA: LAUXANIIDAE).
G C Steyskal
Entomol Soc Wash Proc 70(4):360
Dec 1968 420 W27
Abnormalities, Antennae, Insect anatomy, Lauxaniidae, Minettia obscura.

8868-69
HYPNOIDUS RIPARIUS (FABRICIUS), A POSSIBLE AGRICULTURAL PEST FROM EUROPE (COLEOPTERA: ELATERIDAE).
J N L Stibick
Entomol Soc Wash Proc 71(2):191-193 REF
Jun 1969 420 W27
Elateridae, Grain, Grasses, Hypnoidus riparius, Insect ecology, Insect migration, Insect morphology, Insect pests, Larvae, Vegetables, Zoogeography.

8869-69
NEW SYMPHORIONT INTRANSTYLUM - SPECIES (PERITRICHA, CILIATA) ON LARVAE OF CHIRONOMOUS PLUMOSUS. (GE)
J Stiller
Arch Protisten Kunde 111(1):24-30 REF
1968 439.8 AR2
Chironomidae, Chironomus plumosus, Larvae, Parasitism, Taxonomy.

8870-69
SEASONAL HISTORY OF A UNISEXUAL POPULATION OF THE PINE NEEDLE SCALE, PHENACASPIS PINIFOLIAE.
M W Stimmann
Entomol Soc Amer Ann 62(4):930-931
Jul 1969 420 EN82
Insect biology, Insect physiology, Phenacaspis pinifoliae, Sex behavior.

8871-69
THE ADULT CERVICOTHORACIC MUSCULATURE OF THE COCKROACH, NAUPHOETA CINEREA (OLIVIER).
R H Storch
J Morphol 126(1):107-122
Sep 1968 444.8 J826
Blattidae, Imagos, Insect morphology, Insect physiology, Muscles, Nauphoeta cinerea, Nymphs, Periplaneta americana, Thorax.

8872-69
THE LIMNOLOGY OF PLAYA LAKES ON THE LLANO ESTACADO, NEW MEXICO AND TEXAS.
J E Sublette M S Sublette
Southwest Natur 12(4):369-406 MAP REF
31 Dec 1967 409.6 SO8
Aquatic insects, Aquatic plants, Insect ecology, Limnology, Surveys, Water analysis.

The seasonal ecology of three Playa Lakes of Class IV of Reeves (Jour. Geol., 1966) has been studied in Eastern New Mexico. A limnological survey of an additional 20 lakes was made, largely from the high plains of Texas. A total of 62 taxa of macroscopic animals was collected. An obligated lentic fauna, chiefly phyllopod crustaceans, is numerically dominant during the early phases of lake filling; this is followed by a facultative fauna dominated by insects. Some variation was noted among the lakes surveyed with chironomids, oligochaetes or both occurring as a restricted fauna in several lakes.

8873-69
FACTORS AFFECTING THE SEX RATIO OF APHYTIS PROCLIA WLK. (HYMENOPTERA, APHELINIDAE), EXTERNAL PARASITE ON THE SAN JOSE SCALE.
A F Sumaroka
Entomol Rev 46(2 APR-JUN):179-185 REF
1967 421 R322AE
Aphytis proclia, Aspidiotus perniciosus, Eulophidae, Growth factors, Parasitism, Reproduction, Sex determination, Sex ratios, Tables (data), Zoogeography. Translated from Russian.

8874-69
PHYSICO-CHEMICAL STUDIES ON THE ABSORPTION OF PESTICIDES BY THE INSECT CUTICLE AND PENERATION TO THE INSECT BODY.
M Suwanai
Residue Rev 25:341-353
1969 389.9 R314
Callosobruchus chinensis, Cuticle, Gases, Insect physiology, Insecticides, Toxicology.

8875-69
METHOD OF KILLING PESTS BY APPLICATION OF A PHOSPHORO DERIVATIVE OF ALPHA-(METHYLTHIO) CRESOL. PATENT 3,427,384.

K Szaho J G Brady
Us Patent Office Offic Gaz 859(2):607
11 Feb 1969 156.65 OF2
Chemical control (pests), Insect pests, Methodology, Methylthio)eresol, alpha-(, Mites, Organophosphorus compounds, Patents, Phosphorus compounds.

8876-69
DISTRIBUTION OF WHEAT STREAK MOSAIC VIRUS-LIKE PARTICLES IN ACERIA TULIPAE.
Y Takahashi G B Orloh
Virology 38(2):230-240 REF
Jun 1969 448.8 V81
Aceria tulipae, Mosaic, Streak, Tissues, Viruses, Wheat. English summary.

8877-69
STUDY OF THE CORPUS ALLATUM IN LIVING LARVAE OF THE BLOW FLY CALLIPHORA ERYTHROCEPHALA MG. (DIPTERA, CALLIPHORIDAE).
N A Tamarina
Entomol Rev 46(2 APR-JUN):168-173 REF
1967 421 R322AE
Calliphora vicina, Calliphoridae, Corpora allata, Cytology, Growth factors, Insect anatomy, Insect cultures, Insect histology, Insect hormones, Larvae, Microscopy, Weismann's ring. Translated from Russian.

8878-69
ISOLATION OF FUMARIC ACID FROM SILKWORM PUPAS AS A CAUSATIVE AGENT TO RELEASE REDUCING SUGARS IN EMBRYOLESS RICE ENDOSPERMS.
S Tamura A Suzuki M Yamauchi Y Ogawa S Imamura
Agr Biol Chem 31(10):1248-1250
Oct 1967 385 AG8B
Bombyx mori, Fumaric acid, Rice.

8879-69
LOW-COST LARVAL REARING MEDIUM FOR MASS PRODUCTION OF ORIENTAL AND MEDITERRANEAN FRUIT FLIES.
N Tanaka L F Steiner R Ohinata R Okamoto
J Econ Entomol 62(4):967-968
15 Aug 1969 421 J822
Ceratitis capitata, Dacus dorsalis, Insect nutrition, Insect rearing, Larvae, Tephritidae.

8880-69
THE FORMATION OF TUMORLIKE LESIONS IN THE COCKROACH LEUCOPHAEA MADERAE AFTER ANAL BLOCKAGE.
R L Taylor W C Freckleton
J Invertebrate Pathol 13(3):416-422 REF
May 1969 421 J826
Anus, Gastrointestinal system, Insect physiology, Leucophaea maderae, Neoplasms, Nervous system, Toxins.

8881-69
CHRONOLOGICAL STUDY OF THE FUNCTION OF THE OVARY IN THE HYPOGASTRURIDAE. CAVERN-LIVING AND EPIGEOUS COLLEMBOLA: TYPHLOGASTRURA BALAZUCI DELAMARE AND CERATOPHYSELLA ENGADINEUSIS GISIN. (FR)
J M Thibaud
Acad Sci Compt Rend Ser D Sci Nat 268(20, 1ST SEMESTER):2483-2484
19 May 1969 505 P21
Collembola, Habitats, Insect physiology, Ovaries.

8882-69
FEEDING HABITS OF LARVAE OF SEVEN RHYACOPHILA (TRICHOPTERA: RHYACOPHILIDAE) SPECIES WITH NOTES ON OTHER LIFE-HISTORY FEATURES.
R N Thut
Entomol Soc Amer Ann 62(4):894-898
Jul 1969 420 EN82
Food habits, Insect behavior, Insect biology, Insect nutrition, Larvae, Trichoptera.

8883-69
PURIFICATION AND SOME PROPERTIES OF CHILO IRIDESCENT VIRUS.
S Tojo T Kodama
J Invertebrate Pathol 12(1):66-72 REF
Oct 1968 421 J826
Centrifugation, Chilo suppressalis, Chromatography, Galleria mellonella, Iridescent virus, Larvae, Tipula iridescent virus, Virology, Virus diseases (insects).

8884-69
MODE OF ACTION OF INSECTICIDES ON THE RICE STEM BORER AND DEVELOPMENT OF RESISTANCE.
C Tomizawa
Baltimore, John Hopkins Press. 291-304 MAP REF
1967 SB608.R5S9
Chlorinated hydrocarbons, Insect pests, Insecticide residual activity, Insecticide resistant insects, Insecticides, Larvae, Organophosphorus compounds, Rice.

8885-69
THE PART QUEENS PLAY IN THE MAKING AND ADVENT OF GYNES IN THE COLONIES OF THE ANT DOLICHODERUS QUADRIPUNCTATUS.
C Torossian
Paris Soc Biol Compt Rend 161(6):1455-1458
05 Jan 1968 442.9 P21
Formicidae, Gynandromorphism, Insect behavior, Queen ant, Social insects.

8886-69
BRAHMAN BREEDING AS A FACTOR AFFECTING THE ATTRACTIVENESS OR REPELLENCY OF CATTLE TO THE HORN FLY.
P Tugwell E C Burns J W Turner
J Econ Entomol 62(1):56-57
17 Feb 1969 421 J822
Attractants, Breeding, Cattle, Color, Haematobia irritans, Insect behavior, Insect repellents.

8887-69
ECOLOGICAL STUDIES OF THE FIELD CRICKET, GRYLLUS CAMPESTRIS L. .
F J Turcek
Biologia (bratislava) 22(11):808-816
1967 442.8 B5265
Gryllus campestris, Insect biology, Insect ecology, Insect physiology.

8888-69
HOMOGRAFT OF THE TARSUS INTO THE PLACE OF THE EYE IN THE PHASMID SIPYLOIDEA SIPYLUS W. (FR)
J Urvoy
Acad Sci Compt Rend Ser D Sci Nat 268(18, 1ST SEMESTER):2260-2261
05 May 1969 505 P21
Development, Eyes, Insect physiology, Legs, Phasmatidae, Tissue grafting.

8889-69
THE INFLUENCE OF INFECTIONS OF NUCLEAR-POLYHEDROSIS VIRUS ON ADULT CABBAGE LOOPERS AND THEIR PROGENY.
P V Vail I M Hall
J Invertebrate Pathol 13(3):358-370 REF
May 1969 421 J826
Insect behavior, Insect eggs, Insect histology, Polyhedroses, Sex, Trichoplusia ni.

8890-69
SOME EFFECTS OF SUBLETHAL HEAT ON SPORES OF NOSEMA APIS.
J W Vandermeer T A Goehnauer
J Invertebrate Pathol 13(3):442-446
May 1969 421 J826
Amino acids, Apis mellifera, Biochemistry, Chromatography, Glucitol, Insect diseases, Microsporidia, Nosema apis, Spores, Temperature.

8891-69
LIFE HISTORY AND SOME FACTORS AFFECTING THE POPULATION OF ARZAMA DENSA IN LOUISIANA.
E Vogel A D Oliver
Entomol Soc Amer Ann 62(4):749-752
Jul 1969 420 EN82
Insect biology, Life cycle, Longevity, Noctuidae, Population.

8892-69
ON THE TETRAPYRROLIC PIGMENTS OF LEPIDOPTERA,. (FR)
M Vuillaume M Barbier
Acad Sci Compt Rend Ser D Sci Nat 268(18, 1ST SEMESTER):2286-2289
05 May 1969 505 P21
Insect biochemistry, Lepidoptera, Pigments (insect).

8893-69
INSECTICIDE STUDIES OF THE MAIZE STALK BORER, BUSSEOLA FUSCA (FULLER), IN EAST AFRICA.
P T Walker
Bull Entomol Res 51(2):321-351
Jul 1960 421 B87
Busseola fusca, Chemical control (insects), Corn, East africa, Endrin, Insecticides, Isodrin.

8894-69
NITROGENOUS COMPOUNDS IN THE HAEMOLYMPH OF THE CRICKET. ACHETA DOMESTICUS.
C M Wang R L Patton
J Insect Physiol 15(4):543-548 REF
Apr 1969 421 J825
Acheta domesticus, Hemolymph, Insect biochemistry, Nitrogen compounds.

8895-69
RATE OF OXYGEN UPTAKE OF HEALTHY AND DISEASED LARVAE OF THE JAPANESE BEETLE.
B A Weiner G St. Julian W F Kwolek
J Invertebrate Pathol 13(2):250-255
Mar 1969 421 J826
Bacillus popilliae, Insect diseases, Insect physiology, Larvae, Oxygen, Popillia japonica.

8896-69
IRIDESCENT VIRUS FROM BLACKFLY SIMULIUM ORNATUM MEIGEN IN CZECHOSLOVAKIA.
J Weiser
J Invertebrate Pathol 12(1):36-39
Oct 1968 421 J826
Cells, Insect histology, Iridescent virus, Larvae, Melusina ornata, Simuliidae, Virus diseases (insects), Zoogeography.

8897-69
HYALOMYODES TRIANGULIFER PARASITIZING THE CEREAL LEAF BEETLE, OULEMA MELANOPUS.
S G Wellso R P Hoxie
Entomol Soc Amer Ann 62(4):923-924
Jul 1969 420 EN82
Insect biology, Oulema melanopus, Parasitic insects, Tachinidae.

8898-69
AN INEXPENSIVE HOUSE FLY PUPAE SEPARATOR.
H H Willcox
J Econ Entomol 62(4):949-950
15 Aug 1969 421 J822
Insect rearing equipment, Musca domestica, Pupae.

8899-69
OXYGEN CONSUMPTION OF THE WESTERN HORSE LUBBER GRASSHOPPER.
M W Williams C S Williams B F Gunning J C Towne
Entomol Soc Amer Ann 62(4):927
Jul 1969 420 EN82
Acrididae, Insect metabolism, Oxygen, Temperature.

8900-69
ADD WATER-- INSTANT CULICOIDES.
R W Williams

Entomol Soc Amer Ann 62(4):929-930
Jul 1969 420 EN82
Culicoides, Insect physiology, Insect rearing, Water.

8901-69
A GENERAL METHOD FOR ESTIMATING THRESHOLD CONCENTRATIONS OF ODORANT MOLECULES.
E O Wilson W H Bossert F E Regnier
J Insect Physiol 15(4):597-610 REF
Apr 1969 421 J825
Chemoreceptors, Insect behavior, Insect physiology, Nerves, Odors.

A description is given of a modification of the diffusion model technique that permits relatively rapid estimation of the behavioral threshold concentrations of odorant molecules. The method has been employed in studies of alarm behavior in ants and is applicable to a wide variety of laboratory and semi-natural conditions.

8902-69
AN ACTIVE REDUCTION OF WATER LEVEL IN INSECT CUTICLE.
P W Winston J W L Beament
J Exp Biol 50(3):541-546 REF
Jun 1969 442.8 B77
Cuticle, Insect physiology, Locusta migratoria, Periplaneta americana, Water.

8903-69
FIELD IDENTIFICATION AND SEX DETERMINATION OF APHIDECTA OBLITERATA, AN INTRODUCED PREDATOR OF ADELGES PICEAE.
J A Witter G D Amman
Entomol Soc Amer Ann 62(4):718-721 REF
Jul 1969 420 EN82
Adelges piceae, Aphidecta obliterata, Insect ecology, Insect identification, Insect morphology, Sex.

8904-69
MONITORING FOR AUDIBLE AND ULTRASONIC SOUND PRODUCTION BY STORED-PRODUCT INSECTS DURING MATING.
D P Wojcik
J Econ Entomol 62(4):937
15 Aug 1969 421 J822
Coleoptera, Insect behavior, Sex behavior, Sound waves, Stored products.

8905-69
INTERNAL DAMAGE IN AN AQUATIC BEETLE EXPOSED TO SUBLETHAL CONCENTRATIONS OF INORGANIC IONS.
C R Wooldridge D P Wooldridge
Entomol Soc Amer Ann 62(4):921-922
Jul 1969 420 EN82
Hydrophilidae, Inorganic compounds, Insect physiology, Ions, Water pollution.

8906-69
MODE OF ACTION OF NATURAL INSECTIDES.
I Yamamoto
Residue Rev 25:161-174 REF
1969 389.9 R314
Insect physiology, Insecticides, Nicotine, Pyrethrum, Rotenone.

8907-69
ELECTROPHYSIOLOGICAL STUDY OF CONTACT CHEMORECEPTORS IN BLOOD-SUCKING DIPTERA.
Yu A Yelizarov Ye Kh Zolotarev Ye Ye Sinitsyna
Entomol Rev 46(2 APR-JUN):162-167 REF
1967 421 R322AE
Chemoreceptors, Diptera, Electrophysiology, Glucose, Hair, Insect behavior, Insect physiology, Sodium chloride, Stimuli, Stomoxys calcitrans, Tabanus hromius. Translated from Russian.

8908-69
FIELD NOTES ON A FEEDING SWARM OF CHEIROPLATYS CLUNALIS.
R M Young
Entomol Soc Amer Ann 62(4):927-928
Jul 1969 420 EN82
Food habits, Insect behavior, Insect nutrition, Scarabacidae.

GENETICS

8909-69
THE SALIVARY GLAND CHROMOSOMES OF ANOPHELES PULCHERRIMUS THEOBALD.
R H Baker A S Nasir M Aslamkhan
Parassitologia 10(2-3,OCT-DEC):167-177 REF
Dec 1968 436.8 P212
Anopheles pulcherrimus, Chromosomes, Insect genetics, Salivary glands (insects).

8910-69
MOSAICISM IN HABROBRACON JUGLANDIS ASSOCIATED WITH THE EBONY LOCUS.
A M Clark A B Gould M F Potts
Genetics 58(2):415-422
Mar 1968 442.8 G28
Braeon hebetor, Cell nucleus, Drosophila melanogaster, Insect genetics, Mutation.

8911-69
STUDIES ON CYTOLOGY AND DIFFERENTIATION IN SCIARIDAE. II. DNA REDUNDANCY IN SALIVARY GLAND CELLS OF HYBOSCIARA FRAGILIS (DIPTERA, SCIARIDAE).
A B Da Cunha C Pavan J S Morgante M C Garrido
Genet Soc Amer Rec 61(1,PT 2,SUPPL):335-349 REF
1969 442.9 G28
Chromosomes, Cytogenetics, Deoxyribonucleic acid, Hybosciara fragilis, Insect genetics, Salivary glands (insects), Sciaridae.

8912-69
A TEMPERATURE EFFECT ON NONDISJUNCTION OF THE X CHROMOSOMES AMONG EGGS FROM AGED DROSOPHILA FEMALES.
P E Hildreth P C Ulrichs
Genetica 40(2):191-197
1969 442.8 G282
Aging, Chromosomes, Drosophila melanogaster, Insect eggs, Insect genetics, Sex, Temperature.

8913-69
SEX CHROMOSOMES AND SEX DETERMINING MECHANISMS IN ODONATA, WITH A REVIEW OF THE CYTOLOGICAL CONDITIONS IN THE FAMILY GOMPHIDAE, AND REFERENCES TO THE KARYOTYPIC EVOLUTION IN THE ORDER.
B Kiauta
Genetica 40(2):127-157 REF
1969 442.8 G282
Cytogenetics, Insect evolution, Insect genetics, Odonata, Sex.

8914-69
CHEMOSTERILANT STUDIES ON BRACON SPERM. II. STUDIES OF SELECTED COMPOUNDS FOR INDUCTION OF DOMINANT LETHAL MUTATIONS OR SPERM INACTIVATION.
L E Latchance A P Leverich
Entomol Soc Amer Ann 62(4):790-796 REF
Jul 1969 420 EN82
Braeon, Chemosterilants, Insect genetics, Insect mutation, Spermatozoa.

8915-69
SPERMIOGENESIS WITHOUT CHROMOSOMES IN DROSOPHILA MELANOGASTER.
D L Lindsley E H Grell
Genet Soc Amer Rec 61(1,PT 2,SUPPL):69-78 REF
1969 442.9 G28
Chromosomes, Drosophila melanogaster, Insect genetics, Meiosis, Spermatogenesis.

8916-69
GENETIC LOADS AND COLD TEMPERATURE RESISTANCE IN DROSOPHILA PSEUDOOBSCURA.
D Marinkovic D W Crumpacker V M Salceda
Amer Natur 103(931,MAY-JUN):235-246 REF
30 Jun 1969 470 AM36
Chromosomes, Drosophila pseudoobscura, Insect adaptation, Insect genetics, Population, Temperature.

8917-69
EXPERIMENTAL STUDIES ON SPERMIOGENESIS IN DROSOPHILA.
G F Meyer
Genet Soc Amer Rec 61(1,PT 2,SUPPL):79-92 REF
1969 442.9 G28
Chromosomes, Drosophila melanogaster, Insect genetics, Spermatogenesis.

8918-69
RECESSIVE MUTANTS IN A WILD DROSOPHILA MELANOGASTER POPULATION.
J N Thompson
Okla Acad Sci Proc 47:153-158
1968 500 OK42
Drosophila melanogaster, Insect genetics, Insect mutation, Population.

MEDICAL ENTOMOLOGY

8919-69
THE SIMULIUM CONTROL SCHEME AT ABUJA, NORTHERN NIGERIA, AND ITS EFFECT ON THE PREVALENCE OF ONCHOCERCIASIS IN THE AREA.
J B Davies
World Health Organ Bull 39(2):187-207 MAP REF
1968 449.9 W892B
Blindness, Chemical control (insects), DDT, Human diseases, Insect vectors, Larvicides, Onchocerciasis, Simulium damnosum, Streams. French summary.

8920-69
BREATH LURES BLOODSUCKING BUGS.
Agr Res 17(11):14
May 1969 1.98 AG84
Attractants, Humans, Insect behavior, Insect control, Insect pests, Reduviidae, South american trypanosomiasis.

8921-69
ERADICATION OF MALARIA AND MOSQUITO CONTROL IN ITALY.
F Galbiati F Lucchi
Agr Vet Chem 8(2):33-36
Mar 1967 382 AG82
Culicidae, DDT, Insect vectors, Malaria, Malaria control.

Abstract: Adulticide was found to be the most effective eradication treatment.

CROP PROTECTION

8922-69
ORGANISING AN ERADICATION PROGRAMME FOR AEDES AEGYPTI IN THE USA.
Anonymous
Int Pest Contr 10(6,NOV-DEC):25-26
1968 79.8 P432
Aedes aegypti, Chemical control (insects), Chromosomes, DDT, Eradication, Insecticide resistant insects, Organizations.

8923-69
SOIL WATER MEASURED.
Anonymous
Michigan Farmer 251(2):5
18 Jan 1969 6 M58

Drainage, Evaporation, Lysimeters, Soil moisture, Water storage.

8924-69
BANANA DISEASES IN THE PACIFIC AREA.
I W Buddenhagen
China Plant Protect Bull 16(2):17-31 REF
Apr 1968 464.9 C47
Bacterial wilt, Bananas, Bunchy top, Cercospora, Deficiency diseases, Plant diseases, Radopholus similis, Sigatoka leaf-spot disease, Surveys, Virus diseases (plants), Zoogeography.

8925-69
IRRIGATED SUGAR-CANE IN RHODESIA.
P B Cormack
Rhodesia Agr J 65(6,NOV-DEC):130-137 REF
Nov 1968 24 R34
Crop rotation, Crop yields, Fertilizers, Fungus diseases (plants), Irrigation, Nematodes, Smut, Soils, Sugarcane, Virus diseases (plants).

8926-69
TEAM ALFALFA SCORES HIGH.
Agr Res 17(11):8-9
May 1969 1.98 AG84
Alfalfa, Crop varieties, Insect pests, Plant disease resistance, Plant diseases, Plant pest resistance.

8927-69
UTILITY OF ARECANUT HUSK IN HORTICULTURE. .
S N S Kumar G V B Naidu M Sannamarappa
Lal-Baugh 12(4,OCT-DEC):5-7
1967 80 I.15
Betel nuts, By-products, Chemical treatment, Fruit, Horticulture, Paper materials, Soil conservation, Waste utilization.

8928-69
SHOULD MICHIGAN FORGET ABOUT PEACHES .
R Lehnert
Michigan Farmer 251(2):14-16
18 Jan 1969 6 M58
Agricultural industries, Cherries, Crop varieties, Fumigation, Marketing, Nurseries, Peaches, Weed control.

8929-69
THE OCCURRENCE OF PIPTOCEPHALIS IN SOILS AND ITS ISOLATION.
J van der Spek T Ruinen
Neth J Plant Pathol 74(4):118-119
1968 464.8 T44
Mucorales, Parasitism, Piptocephalis, Shrimps, Skeleton, Soil fungi. Dutch summary.

8930-69
CHARACTER EXPRESSIONS AND CASUAL GENES OF SOME MUTANTS IN RICE PLANT. GENETICAL STUDIES ON RICE PLANT, XXX-III.
M Takahashi T Kinoshita K Takeda
Hokkaido Univ Fac Agr J 55(PT 4):496-512
May 1968 107.6 J273J
Crop varieties, Plant ahnormalities, Plant genetics, Plant morphology, Plant physiology, Rice.

8931-69
STUDIES IN POLYPLOID VARIETIES OF SUGAR BEETS. X. CHROMOSOMAL VARIATION IN PROGENY OF CROSSES INVOLVING DIPLOID, TRIPLOID AND TETRAPLOID PLANTS.
M Takahashi T Kinoshita S Ando
Hokkaido Univ Fac Agr J 55(PT 4):382-401
May 1968 107.6 J273J
Chromosomes, Crop varieties, Plant breeding, Plant genetics, Polyploidy, Seedlings, Sugar beets.

8932-69
PROBLEMS OF THE MONTH. (FR)
G Vanwetswinkel
Fruit Belg 36(324):305-308
Aug 1968 80 F9493
Aphididae, Carpocapsa, Chemical control (insects), Fruit, Fungus diseases (plants), Gloeosporium, Insect pests, Ring spot, Tenthredinidae, Tetranychidae, Tortricidae.

DISEASES

8933-69
SENSITIVITY OF RHIZOBIUM SPECIES TO CERTAIN FUNGICIDES.
N M Afifi A A Moharram Y A Hamdi Y Abd-el-Malek
Arch Mikrobiol 66(2):121-128
14 May 1969 442.8 AR26
Chloranil, Dichlone, Fungicides, Legumes, Orthocide, Phenylmercurie acetate, Plant growth inhibitors, Rhizohium, Thiram, Toxicology.

Thirty-three strains of different species of rhizobia were seeded into medium 79 agar. Dises impregnated with 3, 0.3, 0.03 and 0.003 percent, corresponding to 10, 1, 0.1 and 0.01 the recommended rate of application, of fungicides TMTD, Rhizoctole, Phygon, Ceresan, and Orthocide 75 were place on the seeded agar. After 120 hours, zones of inhibition were measured. The 3, 0.3 and 0.03 percent concentrations of the five fungicides were inhihitory to most rhizohia tested in different degrees. The 0.003 percent level of these fungicides while toxic to certain strains, was not so for others.

8934-69
CONTROL OF GLADIOLUS CORM DISEASES IN FIELD AND STORAGE.
W A A Ashour I F G El-Din
An Agr Sci 10(2):209-226 REF
Dec 1965 24 AN72
Corms, Fungicides, Fungus diseases (plants), Fusarium oxysporum gladioli, Gladiolus, Storage.

8935-69
INFECTION OF COTTON BY ASPERGILLUS FLAVUS: TIME OF INFECTION AND THE INFLUENCE OF FIBER MOISTURE.
L J Ashworth J L McMeans C M Brown
Phytopathology 59(3):383-385 REF
Mar 1969 464.8 P56
Aspergillus flavus, Cotton holls, Fungus diseases (plants).

8936-69
STUDIES ON THE MODE OF ACTION OF INORGANIC NITROGENOUS AMENDMENTS ON SCLEROTIUM ROLFSII IN SOIL.
Z. Avizohar-Hershenzon P Shacked
Phytopathology 59(3):288-292 REF
Mar 1969 464.8 P56
Chemical control (plant diseases), Fungus diseases (plants), Quaternary ammonium compounds, Sclerotium rolfsii, Sodium nitrate, Soils, Stem rot.

8937-69
THE SURFACE LOCALIZATION OF POLYGALACTURONASE IN SPORES OF GEOTRICHUM CANDIDUM.
I Barash L Klein
Phytopathology 59(3):319-324
Mar 1969 464.8 P56
Fungus diseases (plants), Geotrichum candidum, Pectinase, Spores.

8938-69
PEA ENATION MOSAIC VIRUS: GLUCOSE CATABOLISM IN LEAVES AND PODS OF INFECTED PEAS.
R F Bozarth
Phytopathology 59(3):389-390
Mar 1969 464.8 P56
Enation mosaic (peas), Glucose, Leaves, Metabolism, Peas.

8939-69
PHYTOPHTHORA LEAF FALL AND POD ROT OF HEVEA BRASILIENSIS IN THAILAND.
K H Chee J M F Greenwood
China Plant Protect Bull 16(1):1-5 MAP
Feb 1968 464.9 C47
Fungus diseases (plants), Hevea brasiliensis, Phytophthora palmivora, Pod rot, Zoogeography.

8940-69
AN HYPOTHESIS FOR SELECTION OF STRAINS OF POTATO LEAF ROLL VIRUS BY PASSAGE THROUGH PHYSALIS FLORIDANA.
A W Chiko J W Guthrie
Amer Potato J 46(5):155-167 REF
May 1969 75.8 P842
Culture media, Insect vectors, Leaf roll (potatoes), Plant dwarfing, Potatoes, Virus diseases (plants).

8941-69
THE OCCURRENCE AND SOME PROPERTIES OF BLACK RASPBERRY LATENT VIRUS.
R H Converse R M Lister
Phytopathology 59(3):325-333 REF
Mar 1969 464.8 P56
Amphorophora agathonica, Chenopodium quinoa, Latent virus (black raspberries), Raspberries, Virus diseases (plants).

8942-69
GENETIC STUDIES OF PEA LEAF-ROLL (TOP-YELLOWS) VIRUS RESISTANCE IN PISUM SATIVUM.
M J Crampton L E Watts
New Zeal J Agr Res 11(4):771-783 REF
Nov 1968 23 N4892
Hybrids, Leaf roll, Peas, Pisum sativum, Plant disease resistance, Plant diseases, Plant genetics, Virus diseases (plants).

8943-69
FACTORS INVOLVED IN THE DEVELOPMENT OF PEACH SEEDLING CANKERS INDUCED BY CHILLING.
J R Davis H English
Phytopathology 59(3):305-313 REF
Mar 1969 464.8 P56
Canker (peaches), Chemical control (plant diseases), Peaches, Seedlings.

8944-69
THE DEVELOPMENT OF RESISTANCE IN CLADOSPORIUM CUCUMERINUM AGAINST 6-AZAURACIL, A CHEMOTHERAPEUTANT OF CUCUMBER SCAB, AND ITS RELATION TO BIOSYNTHESIS OF RNA-PRECURSORS.
J Dekker
Wageningen Landvouw Lab Fytopathol Med 243:127-136 REF
1968 464.04 W12
Azauridine, 6-, Biosynthesis, Cladosporium cucumerinum, Cucumhers, Drug therapy, Enzymes, Fungus diseases (plants), Growth faetors, Plant disease resistance, Rihonucleic acid, Seah, Tahles (data), Triazine-3,5(2H,4H)-dione,6-as-. German summary.

8945-69
THE OCCURRENCE OF INCLUSION BODIES IN LEAF EPIDERMIS CELLS OF SANDAL AFFECTED WITH SPIKE DISEASE.
J Dijkstra
Neth J Plant Pathol 74(4):101-105
1968 464.8 T44
Cells, Diagnosis, Inclusion bodies, Leaves, Santalum alhum, Spike disease, Virus diseases (plants). Dutch summary.

8946-69
WOUND DRESSINGS FOR THE PREVENTION OF SILVER-LEAF IN FRUITTREES CAUSED BY STEREUM PURPUREUM (PERS.) FR.
M H Dye P J Wheeler
New Zeal J Agr Res 11(4):874-882 REF
Nov 1968 23 N4892
Bitumens, Fruit, Fungicides, Fungus diseases (plants), Plant injuries, Plant physiology, Plant protection, Polyvinyl acetate, Silver leaf, Stereum purpureum, Thiocarbamates, Thiram, Trees.

8947-69
EFFECT OF STORAGE TREATMENTS AND FUNGICIDES ON SPROUTING, FLOWERING AND GLADIOLUS CORM PRODUCTION.

A M El-Gamassy I G El-Din
An Agr Sci 10(2):333-340 REF
Dec 1965 24 AN72
Corms, Fungicides, Fungus diseases (plants), Fusarium oxysporum gladioli, Gladiolus, Methoxyethyl mercuric chloride, Storage, Temperature, Zineb.

8948-69
THE PITCH OF TOBACCO MOSAIC VIRUS.
J T Finch
Virology 38(1):182-185 REF
May 1969 448.8 V81
Electron microscopy, Mosaic, Pitch, Tobacco mosaic virus, Virology, Virus diseases (plants).

8949-69
EFFECTS OF SLOPING LAND DRAINAGE ON ALFALFA CROWN ROT.
K D Fisher G R Benoit J Bornstein
Phytopathology 59(3):386-388 REF
Mar 1969 464.8 P56
Alfalfa, Crown rot (alfalfa), Drainage, Fungus diseases (plants), Soils.

8950-69
CHARACTERIZATION OF A STRAIN OF XANTHOMONAS VESICATORIA (DOIDGE) ISOLATED FROM A COMMERCIAL FIELD OF GREENPEPPER (CAPSICUM ANNUUM L.) IN CAMPINAS, SAO PAULO. (POR)
A A Frenhani
Biologico 35(2):36-40 REF
Feb 1969 442.8 B529
Bacterial diseases (plants), Redpeppers (vegetable), Xanthomonas vesicatoria. English and Portuguese abstract

8951-69
STUDIES ON THE NUTRITION AND DEVELOPMENT OF GAEUMANNOMYCES GRAMINIS (SACC.) VON ARX ET OLIVIER, THE CAUSAL ORGANISM OF THE TAKE-ALL DISEASE OF CEREALS. (FR)
D Gindrat
Schweiz Landwirt Forsch 7(2):197-214 REF
1968 17 SCH99
Fungus diseases (plants), Grain, Mycology, Ophiobolus graminis, Plant morphology, Plant nutrition, Plant physiology, Take-all. English and German summaries.

8952-69
EFFECT OF 2-DEOXY-D-GLUCOSE ON THE RESPIRATION OF TROPICAL ANTHRACNOSE FUNGI.
G L Greene
Physiol Plant 20(3):580-586 REF
1967 450 P564 (1)
Anthracnose, Biochemistry, Carbohydrates, Colletotrichum gloeosporioides, Fungi, Gloeosporium musarum, Metabolism.

8953-69
EXCLUSIVE HYPOVIRULENCE, AN ORIGINAL PHENOMENON IN VEGETABLE PATHOLOGY. (FR)
J Grente S Sauret
Acad Sci Compt Rend Ser D Sci Nat 268(19, 1ST SEMESTER):2347-2350
12 May 1969 505 P21
Endothia parasitica, Fungus diseases (plants), Phytopathology, Plant diseases, Vegetables, Virulence.

8954-69
CHEMICAL CONTROL OF PEA ROOT ROT BY SOIL-INCORPORATION AND IN-FURROW TREATMENTS WITH 1-CHLORO-2-NITROPROPANE.
W A Haglund
Plant Dis Rep 52(1):72-75
Jan 1968 1.9 P69P
Chemical control (plant diseases), Chloro-2-nitropropane, 1-, Dosage, Fungicides, Fungus diseases (plants), Fusarium oxysporum pisi, Fusarium solani pisi, Greenhouse culture, Peas, Pythium, Root rot, Soil fumigation, Toxicology.

8955-69
THE MEXICAN SPECIES OF UROMYCES (UREDINALES).
J F Hennen G B Cummins
Southwest Natur 12(2):146-155
04 Aug 1967 409.6 SO8
Surveys, Uromyces, Zoogeography.
There are 59 species, excluding those on Gramineae, reported, including two new to continental North America, Uromyces ciceris arietinus and U. corallocarpi, and 13 others newly reported from Mexico. A new species, U. sonorensis, is described on Merremia palmeri, from near Navojoa, Sowdra.

8956-69
EFFECT OF TMV MULTIPLICATION ON RNA AND PROTEIN SYNTHESIS IN TOBACCO CHLOROPLASTS.
A Hirai S G Wildman
Virology 38(1):73-82 REF
May 1969 448.8 V81
Amino acids, Centrifugation, Chloroplasts, Leaves, Mosaic, Nucleoproteins, Plant diseases, Protein synthesis, Ribonucleic acid, Ribosomes, Tobacco, Tobacco mosaic virus, Virology, Virus diseases (plants).

8957-69
INFECTION OF MERION BLUEGRASS, POA PRATENSIS, BY STRIPE SMUT, USTILAGO STRIIFORMIS.
C F Hodges M P Britton
Phytopathology 59(3):301-304 REF
Mar 1969 464.8 P56
Fungus diseases (plants), Poa pratensis, Stripe smut (poa pratensis), Ustilago striiformis.

8958-69
PURIFICATION OF SOYBEAN MOSAIC VIRUS.
W G Horn H J Walters
Ark Acad Sci Proc 22:72-75 REF
1968 500 AR42
Mosaic, Plant diseases, Soybeans, Virology, Virus diseases (plants).

8959-69
THE STRATEGY OF FINDING FUNGICIDES.
J G Horsfall R J Lukens
Residue Rev 25:81-91 REF
1969 389.9 R314
Antisporulation, Biological assay, Fungicides, Phenoxyacetic acids.

8960-69
PENTACHLOROBENZYL ALCOHOL, A RICE BLAST CONTROL AGENT.
M Ishida H Sumi H Oku
Residue Rev 25:139-147 REF
1969 389.9 R314
Antisporulation, Blast, Fungicides, Metabolism, Pentachlorobenzyl alcohol, Physiology, Rice.

8961-69
ON THE FUNGICIDAL ACTION OF PHENYLMERCURIC COMPOUNDS.
T Ishiyama
Residue Rev 25:123-131 REF
1969 389.9 R314
Biological assay, Fungicides, Phenylmercuric compounds, Physiology.

8962-69
OCCURRENCE OF VIRUS PARTICLES IN THE PHLOEM TISSUE OF BYDV-INFECTED BARLEY.
S G Jensen
Virology 38(1):83-91 REF
May 1969 448.8 V81
Aphididae, Barley, Electron microscopy, Insect vectors, Leaves, Phloem, Plant disease transmission, Plant diseases, Roots, Virus diseases (plants), Yellow dwarf.

8963-69
FUNGICIDAL ACTION OF ORGANOPHOSPHORUS COMPOUNDS.
M Kado E Yoshinaga
Residue Rev 25:133-138
1969 389.9 R314
Biological assay, Chemical structure, Fungicides, Organophosphorus compounds, Physiology, Rice.

8964-69
REVERSIBLE DISSOCIATION OF CUCUMBER MOSAIC VIRUS (STRAIN S).
J M Kaper
Virology 37(1):134-139 REF
Jan 1969 448.8 V81
Cucumbers, Culture media, Mosaic, Sedimentation, Virology, Virus diseases (plants).

8965-69
PATTERN OF CELL DEATH IN SORGHUM STALK TISSUE AS A MEASURE OF THE SUSCEPTIBILITY TO SPREAD OF COLLETOTRICHUM GRAMINICOLA IN FIFTY-FIVE SORGHUM VARIETIES.
R A Katsanos A J Pappelis
Plant Dis Rep 52(1):68-70
Jan 1968 1.9 P69P
Cells, Colletotrichum graminicola, Crop varieties, Fungus diseases (plants), Mortality, Plant disease resistance, Sorghum, Stalk rot, Tissues.

8966-69
BEHAVIOR OF BELLADONNA MOTTLE VIRUS IN SEROLOGICAL TESTS IN THE PRESENCE OF ORGANIC MERCURY COMPOUNDS.
R Koenig
Virology 38(1):140-144 REF
May 1969 448.8 V81
Belladonna, Mercury compounds, Mottle, Organic compounds, Serological tests, Virology, Virus diseases (plants).

8967-69
SPORULATION OF CEPHALOSPORIUM GREGATUM ON NATURALLY INFESTED SOYBEAN STRAW.
P Y Lai J M Dunleavy
Phytopathology 59(3):343-345
Mar 1969 464.8 P56
Brown stem rot (soybeans), Cephalosporium gregatum, Fungus diseases (plants), Soybeans.

8968-69
THE DISASSOCIATION AND REASSOCIATION OF THE PROTEINS OF THE RNA IN THE LUCERNE MOSIAC VIRUS. (FR)
G Lebeurier M Wurtz L Hirth
Acad Sci Compt Rend Ser D Sci Nat 268(14, 1ST SEMESTER):1897-1899
09 Apr 1969 505 P21
Alfalfa, Biochemistry, Mosaic, Proteins, Ribonucleic acid, Virus diseases (plants).

8969-69
A TECHNIQUE FOR STUDYING INHIBITION OF THE PARASITIC ACTIVITY OF OPHIOBOLUS GRAMINIS (SACC.) SACC. IN FIELD SOILS.
E Lester P J Shipton
Plant Pathol 16(3):121-123
Sep 1967 464.8 P692
Barley, Epidemiology, Fungus diseases (plants), Measurement, Methodology, Ophiobolus graminis, Parasitism, Soil microorganisms, Soils, Wheat.

8970-69
THE PRODUCTION OF NEW TYPES OF SYMPTOMS BY MIXTURES OF DIFFERENT COMPONENTS OF TWO STRAINS OF ALFALFA MOSAIC VIRUS.
G Majorana H L Paul
Virology 38(1):145-151 REF
May 1969 448.8 V81
Alfalfa, Centrifugation, Mosaic, Plant diseases, Virology, Virus diseases (plants).

8971-69
THE ROLE OF GLUCOSE IN STIMULATING GERMINATION OF FOMES IGNIARIUS VAR. POPULINUS BASIDIOSPORES.
P D Manion D W French
Phytopathology 59(3):293-296

Mar 1969 464.8 P56
Fomes igniarius, Fungus diseases (plants), Glucose, Populus tremuloides, Seed germination, Spores.

8972-69
THE INFLUENCE OF NUTRITION ON SUSCEPTIBILITY OF PEACH FOILAGE TO WATER CONGESTION AND INFECTION BY XANTHOMONAS PRUNI.
F N Matthee R H Daines
Phytopathology 59(3):285-287 REF
Mar 1969 464.8 P56
Bacterial spot (peaches), Nitrogen, Peaches, Plant nutrition, Potassium, Xanthomonas pruni.

8973-69
A SEROLOGICAL COMPARISON OF SIX HETEROTHALLIC SPECIES OF PHYTOPHTHORA.
W G Merz R G Burrell M E Gallegly
Phytopathology 59(3):367-370
Mar 1969 464.8 P56
Fungus diseases (plants), Phytophthora, Phytophthora citrophthora.

8974-69
SUGAR-CANE MOTH BORERS IN THE CARIBBEAN.
J R Metcalfe
Int Pest Contr 11(2,MAR-APR):12-15
Mar 1969 79.8 P432
Crop losses, Diatraea saccharalis, Insecticides, Moths, Pest control, Spraying, Sugarcane.

8975-69
ROLE OF PYTHIUM IN DAMPING-OFF OF PEACH.
S M Mircetich H W Fogle
Phytopathology 59(3):356-358
Mar 1969 464.8 P56
Fungus diseases (plants), Peaches, Pythium, Seedlings.

8976-69
FACTORS AFFECTING SEVERITY OF SEEDLING BLIGHT OF CORN IN THE UNITED ARAB REPUBLIC.
H A Mohamed W E Ashour A R Sirry S M Fathi
Plant Dis Rep 52(1):79-83
Jan 1968 1.9 P69P
Blight, Captan, Chlorinated hydrocarbons, Corn, Fungicides, Fungus diseases (plants), Fusarium moniliforme, Gibberella zeae, Greenhouse culture, Nigrospora oryzae, Penicillium oxalicum, Plant protection, Planting, Seed treatment, Seedlings, Temperature.

8977-69
FUNGI CAUSING SEEDLING BLIGHT OF CORN IN THE UNITED ARAB REPUBLIC.
H A Mohamed W E Ashour A R Sirry S M Fathi
Plant Dis Rep 52(1):84-86
Jan 1968 1.9 P69P
Blight, Corn, Diagnosis, Fungus diseases (plants), Fusarium moniliforme, Gibberella zeae, Hydroponics, Nigrospora oryzae, Penicillium oxalicum, Rot, Seedlings, Seeds.

8978-69
FIGHT STALK ROT WITH RIGHT FERTILITY.
A Myer
Better Crops Plant Food 43(1):26-29
1969 6 B46
Corn, Diplodia, Fertility, Fungus diseases (plants), Gibberella, Hydroponics, Nitrogen, Ostrinia nubilalis, Phosphorus, Potassium, Stalk rot (corn).

8979-69
EFFECTS OF THE FUNGUS ERYSIPHE GRAMINIS F. SP. HORDEI MARCHAL ON THE TRANSPIRATION OF BARLEY. (GE)
S Prichraony C Paulech
Biologia (bratislava) 24(4):261-272 REF
1969 442.8 B5265
Barley, Erysiphe graminis hordei, Fungus diseases (plants), Plant physiology, Plant transpiration, Powdery mildew. Russian and Czech abstracts.

8980-69
AGRICULTURAL MICROBIOLOGY.
G Rangaswami
New York, Asia 413 P
1966 QR51.R3
Agriculture, Food contamination, Microbiology, Microscopy, Plant diseases, Soil microorganisms.

8981-69
TEN YEARS OF OBSERVATIONS ON CITRUS CANKER. (POR)
V Rossetti C C Lasca T Namekata
Biologico 35(2):45-48
Feb 1969 442.8 B529
Bacterial diseases (plants), Canker (citrus), Citrus, Surveys.

8982-69
A LEAF DISORDER OF CACAO IN COSTA RICA.
J A Salas A J Hansen
Phytopathology 53(1):25
Jan 1963 464.8 P56
Cacao, DDT, Leaves, Malathion, Plant diseases.

8983-69
TEMPERATURE RESPONSE OF SEEDS DURING THE EARLY PHASES OF GERMINATION AND ITS RELATION TO INJURY BY RHIZOCTONIA SOLANI.
F A Schulz D F Bateman
Phytopathology 59(3):352-355 REF
Mar 1969 464.8 P56
Beans, Corn, Cucumbers, Fungus diseases (plants), Peas, Rhizoctonia solani, Temperature.

8984-69
TOBACCO ETCH VIRUS CYLINDRICAL INCLUSIONS: ANTIGENICALLY UNRELATED TO THE CAUSAL VIRUS.
J F Shepard T A Shalla
Virology 38(1):185-188 REF
May 1969 448.8 V81
Antibodies, Antigens, Etch, Inclusion bodies, Tobacco, Virology, Virus diseases (plants).

8985-69
NEW OR UNCOMMON PLANT DISEASES AND PESTS; SMUT (ENTYLOMA COMPOSITARUM) OF GAILLARDIA ARISTATA PURSH.
P J Shipton
Plant Pathol 16(3):143-144
Sep 1967 464.8 P692
Fungus diseases (plants), Gaillardia, Mycology, Plant diseases, Plant taxonomy, Smut.

8986-69
A FRUIT ROT OF STRAWBERRIES CAUSED BY ZYTHIA FRAGARIAE.
P J Shipton
Plant Pathol 16(3):123-125
Sep 1967 464.8 P692
Fruit rot, Fungus diseases (plants), Strawberries, Symptomatology, Zythia fragariae.

8987-69
THE DOWNY MILDEW AND STALK ROT DISEASES OF MAIZE.
R S Singh
Pesticides 1(10):15-17
Jun 1968 SB951.P43
Cephalosporium, Corn, Downy mildew (corn), Erwinia carotovora, Fusarium moniliforme, Pseudomonas, Pythium butleri, Sclerophthora, Sclerospora, Stalk rot (corn).

8988-69
AGROPYRON REPENS AND OTHER PERENNIAL GRASSES AS HOSTS OF BROMEGRASS MOSAIC VIRUS FROM THE U.S.S.R. AND THE UNITED STATES.
J T Slykhuis
China Plant Protect Bull 15(4):65-66 REF
Aug 1967 464.9 C47
Agropyron repens, Host indexing (plants), Virus diseases (plants).

8989-69
OCCURRENCE OF BROWN SPOT ON TOBACCO IN KENTUCKY IN 1966.
J H Smiley R A Flowers C Y Yang
Plant Dis Rep 52(1):71
Jan 1968 1.9 P69P
Alternaria longipes, Brown spot, Diagnosis, Epidemiology, Fungus diseases (plants), Tobacco.

8990-69
CALONECTRIA FLORIDANA SP. NOV., THE PERFECT STAGE OF CYLINDROCLADIUM FLORIDANUM.
E K Sobers
Phytopathology 59(3):364-366
Mar 1969 464.8 P56
Calonectria floridana, Cylindrocladium floridanum, Fungus diseases (plants), Peaches, Seedlings.

8991-69
THE THERAPEUTIC EFFECT OF THIABENDAZOLE, 2-(4-THIAZOLYL) BENZIMIDAZOLE, AGAINST CERCOSPORA LEAF SPOT ON SUGAR BEETS WHEN APPLIED AS A SOIL DRENCH.
G F Stallnecht G L Crane
Phytopathology 59(3):393
Mar 1969 464.8 P56
Cercospora beticola, Fungicides, Fungus diseases (plants), Leaf spot (sugar beets), Sugar beets, Thiazolyl)-benzimidizole, 2-(4-.

8992-69
TRANSMISSION OF APPLE VIRUSES BY LEAF TISSUE IMPLANTATION.
R F Stouffer
Phytopathology 59(3):274-278 REF
Mar 1969 464.8 P56
Apples, Chenopodium, Chlorotic leafspot (apples), Decline (apples), Malus, Plant disease transmission, Spy 227, Virus diseases (plants).

8993-69
PARTIAL RECONSTITUTION OF TOBACCO MOSAIC VIRUS.
C Stussi G Lebeurier L Hirth
Virology 38(1):16-25 REF
May 1969 448.8 V81
Centrifugation, Electron microscopy, Mosaic, Nucleoproteins, Plant diseases, Ribonucleic acid, Tobacco, Tobacco mosaic virus, Virology, Virus diseases (plants).

8994-69
VIRUS-LIKE PARTICLES IN GALLS ON SUGARCANE PLANTS AFFECTED BY FIJI DISEASE.
D S Teakle D R L Steindl
Virology 37(1):139-145 REF
Jan 1969 448.8 V81
Diagnosis, Fiji disease, Microscopy, Plant galls, Ribonucleic acid, Sugarcane, Virology, Virus diseases (plants).

8995-69
A PHOSPHATIDASE PRODUCED BY SCLEROTIUM ROLFSII.
T Tseng D F Bateman
Phytopathology 59(3):359-363 REF
Mar 1969 464.8 P56
Beans, Fungus diseases (plants), Phospholipase, Sclerotium rolfsii.

8996-69
THE RELATIVE EFFICIENCY OF EAR-TO-ROW AND CONVERGENT IMPROVEMENT IN INCREASING DISEASE RESISTANCE OF ZEA MAYS.
V Ulrich R S Snell
W Va Acad Sci Proc 39:235-242 REF
1967 500 W52
Corn, Crop varieties, Plant breeding, Plant disease resistance.

8997-69
INVASION OF PLANT TISSUE BY BACTERIA UNDER IN VITRO CONDITIONS.
J G Valdovinos E W Henry

Plant Physiol 43(10):1730-1733 REF
Oct 1968 450 P692
Assay, Bacterial diseases (plants), Electron microscopy, Enzymes, Indoleacetic acid, Pisum sativum, Plant physiology, Plant regulators, Plant tissues.

8998-69
DARK GREEN EPINASTY OF CHENOPODIUM QUINOA, A SYNDROME INDUCED BY A VIRUS LATENT IN APPLE AND PEAR.
H E Waterworth R M Gilmer
Phytopathology 59(3):334-338 REF
Mar 1969 464.8 P56
Apples, Chenopodium quinoa, Epinasty, Latent virus (apples), Latent virus (pears), Pears, Virus diseases (plants).

8999-69
CALCIUM NUTRITION AND BLACK SHANK OF TOBACCO.
W H Wills L D Moore
Phytopathology 59(3):346-351 REF
Mar 1969 464.8 P56
Black shank (tobacco), Calcium, Phytophthora parasitica nicotianae, Plant nutrition, Tobacco.

9000-69
PRESENCE OF TWO TREE VASCULAR DISEASES CONFIRMED IN ARKANSAS.
C L W ilson
Plant Dis Rep 52(1):79
Jan 1969 1.9 P69P
Albizia julibrissin, Cephalosporium diospyri, Fungus diseases (plants), Fusarium oxysporum perniciosum, Mimosa, Persimmons, Tree diseases, Wilt.

9001-69
CONTROL OF FAIRY RING DISEASE OF THE CULTIVATED CRANBERRY.
B M Zuckerman K J Rochefort G B Rounsville
Plant Dis Rep 52(1):87-88
Jan 1968 1.9 P69P
Chemical control (plant diseases), Cranberries, Dosage, Fairy rings, Ferbam, Fungicides, Fungus diseases (plants), Psilocybe agrariella vaccinii, Roots.

ARTHROPODS

9002-69
CHARACTERISTICS OF THE STOPPED AND SCARRED DAMAGES DUE TO THE CODDLING MOTH (LASPEYRESIA POMONELLA L.) WITH A METHOD OF INTERPRETATION OF THE VARIOUS FORMS OF DAMAGES OBSERVED ON APPLES. (FR)
M Baggiolini H Grob
Schweiz Landwirt Forsch 7(2):187-196
1968 17 SCH99
Apples, Crop losses, Insect pests, Laspeyresia pomonella, Methodology, Olethreutidae, Plant injuries. English and German summaries.

9003-69
ON THE BIONOMICS OF LYCTOCORIS BENEFICUS (HIURA) AND XYLOCORIS GALACTINUS (FIEBER) (ANTHOCORIDAE, HETEROPTERA).
Y I Chu
Kyushu Univ Fac Agr J 15(1):1-136 REF
Mar 1969 107.6 K995
Anthocoridae, Beneficial insects, Biological control (insects), Chilo suppressalis, Insect biology, Lyctocoris beneficus, Predaceous insects, Reviews, Xylocoris galactinus.

9004-69
AERIAL SPRAY TESTS AGAINST GYPSY MOTH. PORTHETRIA DISPAR IN NEW YORK.
D P Connola R C Sweet
J Econ Entomol 54(2):315-316
Apr 1961 421 J822
Aerial spraying, Carbaryl, DDT, New york, Porthetria.

9005-69
FACTORS INFLUENCING EGG SURVIVAL OF SCOLYPOPA AUSTRALIS WALKER (HEMIPTERA-HOMOPTERA: RICANIIDAE) IN THE SYDNEY AREA (N. S. W. AUSTRALIA).
R A Cumber
New Zealand J Sci 10(3):639-643
Sep 1967 514 N482
Chrysopidae, Eulophidae, Insect eggs, Natural control (insects), Parasitic insects, Scelionidae, Scolypopa australis.

An analysis of oviposition materials of Scolypopa australis Walker, from the Sydney area, N. S. W., has been carried out to ascertain the factors influencing egg survival. This follows a similar assessment in New Zealand. Eggs have been classified under the categories: died during emergence; normal emergence; parasitized by the aphelinid Centrodora scolypodae Val; parasitized by undetermined scelionid; shrivelled through various causes; destroyed by chrysophid.

9006-69
INFESTATION OF PEACHES BY RHAGOLETIS SUAVIS.
R W Dean
J Econ Entomol 62(4):940-941
15 Aug 1969 421 J822
Peaches, Rhagoletis suavis, Tephritidae.

9007-69
TRANSMISSION OF STRAWBERRY MOTTLE VIRUS BY JUICE AND APHIDS TO HERBACEOUS HOSTS.
N W Frazier
Plant Dis Rep 52(1):64-67
Jan 1968 1.9 P69P
Aphididae, Chaetosiphon jacobi, Insect vectors, Mottle, Plant disease transmission, Secretion, Strawberries, Virus diseases (plants).

9008-69
CONTROL OF THE LESSER CORNSTALK BORER ATTACKING PEANUTS.
J A Harding
J Econ Entomol 53(4):664-667, TABS.
Aug 1960 421 J822
Chlordane, DDT, Elasmopalpus, Endrin, Parathion, Peanuts, SD-4402.

9009-69
CURRENT STATUS OF BROWN SOFT SCALE IN CITRUS GROVES OF THE LOWER RIO GRANDE VALLEY.
W G Hart S Ingle M Garza
Entomol Soc Amer Ann 62(4):855-858
Jul 1969 420 EN82
Chemical control (insects), Citrus, Coccus hesperidum, Insecticides, Methyl parathion, Organophosphorus compounds, Population, Surveys.

Populations of brown soft scale, Coccus hesperidum L. (Homoptera: Coccidae), observed in 20 Rio Grande Valley citrus groves during 1966 showed a continued decrease in the general intensity of infestations. Population density of parasites and possible influence of ultra-low-volume applications of methyl parathion are discussed.

9010-69
INTEGRATED CHEMICAL CONTROL OF INSECTS AND BIOLOGICAL CONTROL OF MITES ON APPLE IN WASHINGTON.
S C Hoyt
J Econ Entomol 62(1):74-86 REF
17 Feb 1969 421 J822
Aculus schlechtendali, Apples, Biological control (insects), Chemical control (insects), Insect pests, Integrated control (insects), Mites, Panonychus ulmi, Tables (data), Tetranychus mcdanieli, Typhlodromus occidentalis.

9011-69
ECOLOGY OF UTAH APPLE MITES: A STATEMENT OF THE PROBLEM.
C D Jorgensen
Utah Acad Sci Arts Lett Proc 44(1):265-274 REF
1967 500 UT1
Acarina, Apples, Insect control, Insect ecology.

9012-69
INSECT PARASITES IN THE NATURAL CONTROL OF SPECIES OF RICE STEM BORERS ON LUZON ISLAND, PHILIPPINES.
M A Kamran E S Raros
Entomol Soc Amer Ann 62(4):797-801 REF
Jul 1969 420 EN82
Apanteles, Chilo suppressalis, Natural control (insects), Parasitic insects, Rice, Surveys, Tetrastichus, Tryporyza incertulas.

9013-69
INSECT VS MEN.
S K Khanna
Pesticides 1(10):26
Jun 1968 SB951.P43
Agricultural economics, Crop losses, Insect control.

9014-69
OBSERVATIONS ON BIRD TANGLEFOOT TRAPS AS A DIRECT METHOD OF APPLE MAGGOT CONTROL.
C W Maxwell
J Econ Entomol 62(4):945-946
15 Aug 1969 421 J822
Adhesives, Apples, Insect traps, Plant pest control, Rhagoletis pomonella, Traps.

9015-69
EFFECT OF INSECTICIDES ON ANT AND SPIDER POPULATIONS IN LOUISIANA SUGARCANE FIELDS.
A A Negm S D Hensley
J Econ Entomol 62(4):948-949
Aug 1969 421 J822
Azinphosmethyl, Beneficial insects, Chlorinated hydrocarbons, Diatraea saccharalis, Endrin, Formicidae, Heptachlor, Insecticides, Natural control (insects), Organophosphorus compounds, Predaceous insects, Solenopsis saevissima richteri, Spiders, Sugarcane.

9016-69
CHEMICAL CONTROL OF THE JUNIPER WEBWORM ON IRISH JUNIPER.
G L Nordin J E Appleby
J Econ Entomol 62(1):23-24
17 Feb 1969 421 J822
Chemical control (insects), Dichomeris marginella, Insect pests, Insecticide application, Insecticides, Juniperus communis, Plant injuries, Spraying.

9017-69
CORN EARWORM INFESTATION IN RIPE STRAWBERRIES.
E R Oatman
J Econ Entomol 62(4):947-948
15 Aug 1969 421 J822
Heliothis zea, Insect pests, Larvae, Strawberries, Tomatoes.

9018-69
THE LEAF SNOUT WEEVIL OF THE AVOCADO. (SP)
R C Padilla M M Villa
Fitofilo 21(57,JAN-MAR):43-48
Mar 1968 421 F55
Avocados, Chemical control (insects), Cureulionidae, Insect biology, Insect control, Malathion, Parathion.

9019-69
A REVIEW OF LEPIDOPTEROUS PESTS OF CONIFEROUS FORESTS IN THE BAYKAL REGION.
I A Raygorodskaya
Entomol Rev 46(2 APR-JUN):186-190 REF
1967 421 R322AE
Coniferae, Demography, Environment, Forest insects, Insect nutrition, Larix, Lepidoptera, Picea, Pinus, Tables (data), Tree injuries. Translated from Russian. listing of many species

9020-69
ROLE OF WINTER CRESS, BARBAREA VULGARIS, AS A TEMPORAL HOST IN THE SEASONAL DEVELOPMENT OF THE CRUCIFER FAUNA.

R B Root J O Tahvanainen
Entomol Soc Amer Ann 62(4):852-855
Jul 1969 420 EN82
Barbarea vulgaris, Chrysomelidae, Cruciferae, Food habits, Insect behavior, Surveys.

9021-69
EXPERIMENTS ON THE CONTROL OF ROOT PESTS OF BRASSICAE.
T Rosborough
Plant Pathol 16(3):110
Sep 1967 464.8 P692
Brassicae, Bromophos, Cabbage, Ceutorhynchus pleurostigma, Chemical control (insects), Chlorfenvinphos, Diazinon, Insect pests, Mecarbam, Plant injuries, Plant protection, Roots.

9022-69
SOME ECOLOGICAL OBSERVATIONS AND RESULTS OF THE CONTROL OF ARGYRESTHIA FUNDELLA F. R. (SE)
I Spaic
Sumarski List 92(5/6 MAY-JUN):165-188 REF
1968 99.8 SU6
Aerial spraying, Argyresthia fundella, Biological control (insects), Chemical control (insects), Chlorinated hydrocarbons, Dicladocerus, DDT, Eulophidae, Gelis, Ichneumonidae, Insect biology, Insect ecology, Insecticides, Parasitic insects, Pine needles, Tetrastichus, Yponomeutidae, Zoogeography. German summary.

9023-69
HOUSE SPARROWS AND A FIELD INFESTATION OF TOBACCO HORNWORM LARVAE.
P A Stewart
J Econ Entomol 62(4):956-957
15 Aug 1969 421 J822
Birds, Manduca sexta, Natural control (insects), Sparrows, Tobacco.

9024-69
ADDITIONAL EVIDENCE OF MULTIPLICATION OF THE SOWTHISTLE YELLOW VEIN VIRUS IN AN APHID VECTOR-SERIAL PASSAGE.
E S Sylvester J Richardson
Virology 37(1):26-31 REF
Jan 1969 448.8 V81
Aphididae, Insect vectors, Mortality, Plant disease transmission, Sonchus, Virology, Virus diseases (plants), Yellow vein.

NEMATODES

9025-69
EELWORMS-A PROGRESS REPORT ON A FEW MORE GROUPS FOUND IN NORTH-EAST INDIAN TEA SOILS.
S D Basu
Tocklai Exp Sta Newslett 15(2):70-71
Jun 1968 68.18 T93
Animal adaptation, Animal morphology, Aphelenchus, Economics, Macroposthonia, Meloidodera, Mononchus, Nematodes, Pratylenchus, Soil microorganisms, Surveys, Tea, Trichodorus.

9026-69
THE DISTRIBUTION OF THE FAMILY HETERODERIDAE (FILIPJEV, 1934) IN SOUTH AFRICA AND SOME HOST RECORDS OF MELOIDOGYNE SPECIES.
V Coetzee
S Afr J Agr Sci 11(4):775-788 MAP REF
Dec 1968 24 SU3
Cotton, Grasses, Heterodinae, Meloidogyne, Plant nematodes, Zoogeography.

9027-69
ON THE KNOWLEDGE OF THE SEASONAL DYNAMICS OF HETERODEROSIS IN SUGAR BEETS IN EAST-SLOVAKIA (CSSR). (GE)
J Curi
Helminthologia 7(1/4):329-336 REF
1966 436.8 H36
Climate, Heterodera schachtii, Plant nematodes, Sugar beets, Temperature, Weather. English and Russian summaries.

9028-69
THE RELATION OF CLIMATIC FACTORS TO THE DURATION OF THE DEVELOPMENT OF HETERODERA SCHACHTII IN SLOVAKIA (CSSR). (GE)
J Curi I Zmoray
Helminthologia 7(1/4):49-63 REF
1966 436.8 H36
Climate, Helminthology, Heterodera schachtii, Humidity, Light, Morphology, Plant nematodes, Rainfall, Soil temperature. English and Russian summaries.

9029-69
XIPHINEMA AMERICANUM ASSOCIATED WITH MAPLE DECLINE IN MASSACHUSETTS.
C P DiSanzo R A Rohde
Phytopathology 59(3):279-284 REF
Mar 1969 464.8 P56
Acer saccharum, Decline, Plant nematodes, Xiphinema americanum.

9030-69
NUTRITIONAL REQUIREMENTS FOR REPRODUCTION OF A TEMPERATURE SENSITIVE NEMATODE, REARED IN AXENIC CULTURE.
H V Fatt
Soc Exp Biol Med Proc 124(3):897-903
Mar 1967 442.9 SO1
Methodology, Nutrition, Plant nematodes, Reproduction, Temperature, Tissue culture.

9031-69
A FOLIAR DISEASE OF TUBEROSE CAUSED BY APHELENCHOIDES BESSEYI.
O V Holtzmann
Plant Dis Rep 52(1):56
Jan 1968 1.9 P69P
Aphelenchoides besseyi, Chlorosis, Leaf spot, Ornamental plants, Plant diseases, Plant nematodes, Polianthes tuberosa, Taxonomy.

9032-69
SEASONAL HISTORY AND RESPONSE TO INSECTICIDES OF HELIOTHIS SPECIES ON COTTON.
R J Ledhetter
Diss Abstr Sect B 28(8):3323B
Feb 1968 Z5055.U49D53
Cotton, DDT, Endrin, Genetics, Heliothis, Larvae, Seasons.

9033-69
INVESTIGATIONS ON THE MIGRATORY ROOT NEMATODE PRATYLENCHUS NEGLECTUS ON FODDER GRASSES.
T Wetzel
Nematologica 15(2):193-200 REF
May 1969 436.8 N342
Beets, Chemical control (nematodes), Crop rotation, Cultural control (plant diseases), Grasses, Nematode control, Plant nematodes, Pratylenchus neglectus, Sodium N-methyldithiocarbamate.

WEEDS

9034-69
AERIAL SPRAYING OF FORESTS: NOTES FOR LANDOWNERS.
J R Aldhous
Quart J Forest 63(2):152-155
Apr 1969 99.8 Q2
Aerial spraying, Aircraft, Forests, Land, Spraying, Weed control.

9035-69
ARE HERBICIDES DOING THEIR JOB .
Anonymous
Amer Veg Grower 17(1):22,38,40
Jan 1969 80 C733
Chemical control (weeds), Chlorinated hydrocarbons, Dacthal, Dalapon, Diallate, Dinitrocresol, Ethyl N,N-dipropylthiocarbamate, Herbicides, Linuron, Potatoes, Surveys, Weed control, Weeds. Many weeds and herbicides are mentioned

9036-69
CERTAIN 2-ALKANOYLAMINO-5-HALOTHIAZOLES. PATENT 3,427,318.
M S Barber D R Broad B J Heywood
Us Patent Office Offic Gaz 859(2):595
11 Feb 1969 156.65 OF2
Chemical control (weeds), Halogen compounds, Herbicides, Patents, Thiazole compounds.

9037-69
ALTERATION OF PLANT GROWTH HABIT AS A MEANS OF CONTROLLING RHIZOMATOUS SPECIES.
L E Bendixen
Weed Soc Amer Abstr 1966 MEETING:68
1966 241 W41
Annual plants, Chemical control (weeds), Grasses, Herbicides, Perennial plants, Plant physiology, Plant reproduction, Tissues.

9038-69
CHEMICAL MEDIATION OF GROWTH MOVEMENTS IN DODDER.
L L Danielson W A Gentner
Weed Soc Amer Abstr 1966 MEETING:67
1966 241 W41
Chemical control (weeds), Cuscuta indecora, Dimethyl 2,3,5,6-tetrachloroterephthalate, Infrared rays, Plant physiology.

9039-69
EVALUATION OF HERBICIDES APPLIED TO THE SOIL FOR WEED CONTROL IN IRRIGATED SUGAR BEETS.
J H Dawson
Wash Agr Exp Sta Sta Bull (708):11P REF
Jun 1969 100 W27E
Chemical control (weeds), Chloro-N-isopropylacetanilide, 2-, Cycloate, Ethyl N,N-dipropylthiocarbamate, Herbicides, Irrigation, Pebulate, Pyrazon, Soils, Sugar beets.

9040-69
IMINODIOXOLANES AS HERBICIDES. PATENT 3,427,147.
H J Dietrich G G King J V Karabinos
Us Patent Office Offic Gaz 859(2):563
11 Feb 1969 156.65 OF2
Chemical control (weeds), Dioxolane compounds, Grasses, Herbicides, Patents, Plant physiology.

9041-69
THE INFLUENCE OF ENVIRONMENT ON THE PHYTOTOXICITY OF DICAMBA, PICLORAM, BROMOXYNIL AND 2,4-D ESTER.
H A Friesen D A Dew
Weed Soc Amer Abstr 1966 MEETING:69-70
1966 241 W41
Bromoxynil, D, 2,4-, Dicamba, Environment, Esters, Fagopyrum tataricum, Herbicides, Humidity, Light, Picloram, Plant ecology, Plants, Temperature, Wheat.

9042-69
HERBICIDAL ACTIVITY OF SOME PYRIDAZINE DERIVATES. PART III. 3-PHENOXYPYRIDAZINES AND RELATED COMPOUNDS.
T Jojima N Yoshimura T Takematsu S Tamura
Agr Biol Chem 33(1):96-102
Jan 1969 385 AG8B
Grasses, Herbicides, Maleic hydrazide, Pyridazine compounds, Rice.

9043-69
SIMILARITY BETWEEN PHYTOKININS AND HERBICIDAL PHENYLURETHANES.
J D Mann K H Yung W B Storey M Pu J Conley
Plant Cell Physiol 8(4):613-622 REF
Dec 1967 450 P699
Chromatin, Herbicides, Meiosis, Phenylurethane, Plant physiology, Sesbania exaltata.

9044-69
BIOCHEMICAL ASPECTS OF PARASITISM BY THE ANGIOSPERM PARASITES: HOST-PARASITE INTERRELATIONSHIP IN PHOSPHATASE ACTIVITY.
R L Mattoo P N Viswanathan P S Krishnan
Physiol Plant 22(2):638-647
05 Jun 1969 450 P564 (1)
Angiospermae, Cuscuta, Orobanche, Parasitic plants, Phospbatases, Plant metabolism.

9045-69
CHEMICAL WEED CONTROL IN COTTON: I. GROWTH AND YIELD RESPONSE OF COTTON PLANTS TO SOME HERBICIDES.
M A Moursi A A Abd El-Gawad T S Ismail
An Agr Sci 10(2):237-249 REF
Dec 1965 24 AN72
Chemical control (weeds), Chloropropham, Cotton, Crop yields, Dicryl, Diuron, Herbicides, Plant physiology, Simazine.

9046-69
WEED CONTROL IN COTTON.
P V M Richards H J A van Lindert
Rhodesia Agr J 65(6,NOV-DEC):138
Nov 1968 24 R34
Aniline, Chemical control (weeds), Chlorinated hydrocarbons, Cotton, Herbicides, Soils, Trifluralin.

9047-69
PHENOXYPYRIDAZINES AS HERBICIDES. PATENT 3,427,146.
S Tamura T Takematsu K Oyamada T Jojima
Us Patent Office Offic Gaz 859(2):563
11 Feb 1969 156.65 OF2
Chemical control (weeds), Herbicides, Patents, Plant growth inhibitors, Pyridazine compounds.

9048-69
EFFECTS OF FIVE HERBICIDES ON THREE GREEN ALGAE.
B D Vance D L Smith
Tex J Sci 20(4):329-337 REF
25 Apr 1969 470 T31
Algae, Amitrole-T, Chemical control (weeds), D, 2,4-, Dacthal, Herbicides, Simazine, T, 2,4,5-.

9049-69
EVALUATION OF ARZAMA DENSA AS AN AID IN THE CONTROL OF WATER HYACINTH IN LOUISIANA.
E Vogel A D Oliver
J Econ Entomol 62(1):142-145
17 Feb 1969 421 J822
Aquatic weeds, Arzama densa, Beneficial insects, Biological control (weeds), Eichhornia crassipes, Larvae.

9050-69
RECORDS OF THE HIGHER FUNGI OF MINNESOTA.
M G Weaver R L Shaffer
Minn Acad Sci J 35(2-3):123-128
1969 500 M663
Dwarf mistletoe, Parasitic plants, Picea, Plant diseases, Zoogeography.
Known areas of dwarf mistletoe infections in Minnesota are compared with the distribution of white and black spruce. A summary of disease symptoms and identification of the parasite is included.

OTHER PESTS

9051-69
CONTROL OF THAR (HEMITRAGUS JEMLAHICUS): EVALUATION OF A POISONING TECHNIQUE.
M H Douglas
New Zealand J Sci 10(2):511-526 MAP REF
Jun 1967 514 N482
Baits, Goats, Pest control, Poisons, Sodium ethylmercurithiosalicylate, Wildlife.
An attempt was made to evaluate a poisoning technique utilizing compound 1080 and carrots for the control of thar. Pre-poisoning and post-poisoning counts were undertaken in three Zones to define the effectiveness of the poison and pre-feeding. Zone I with no pre-feeds had an estimated kill of 11 per cent, Zone II with one pre-feed an estimated kill of 30 percent, Zone III with two pre-feeds an estimated kill of 51 per cent.

LIVESTOCK PROTECTION

9052-69
MEADOW VOLE USED IN HAY RESEARCH.
Anonymus
Sci News Lett 94(21):520
23 Nov 1968 470 SC124
Animal breeding, Digestion, Field mice, Forage plants, Hay, Intestines, Laboratory animals, Research, Rodents, Toxins.

9053-69
HOUSE FLY PUPAE AS FOOD FOR POULTRY.
C C Calvert R D Martin N O Morgan
J Econ Entomol 62(4):938-939
Aug 1969 421 J822
Chicks, Feed, Musca domestica, Proteins, Pupae.

9054-69
CAUSE AND PREVENTION OF EPIZOOTIC BOVINE ABORTION.
D G McKercher
Amer Vet Med Ass J 154(10):1192-1196 REF
15 May 1969 41.8 AM3
Abortion, Cattle.

9055-69
VARIATIONS IN BODY TEMPERATURE ASSOCIATED WITH REPRODUCTIVE STATE IN THE FEMALE RABBIT.
Y Tsutsumi M Takabashi N Oguri Y Hacbinobe
Hokkaido Univ Fac Agr J 55(PT 4):363-381 REF
May 1968 107.6 J273J
Animal temperature, Estrus, Pregnancy, Rabbits, Reproduction.

9056-69
RED BLOOD CELL COUNT IN RELATION TO REPRODUCTIVE PHASES IN THE FEMALE RABBIT.
Y Tsutsumi M Takahashi N Oguri Y Hacbinobe
Hokkaido Univ Fac Agr J 55(PT 4):402-420 REF
May 1968 107.6 J273J
Blood cells, Erythrocytes, Estrus, Pregnancy, Rabbits, Reproduction.

DISEASES

9057-69
THE N-TERMINAL AMINO ACID OF AN AVIAN LEUKOSIS GROUP-SPECIFIC ANTIGEN FROM AVIAN MYELOBLASTOSIS VIRUS.
D W Allen
Virology 38(1):32-41 REF
May 1969 448.8 V81
Amino acids, Antigens, Avian leukosis complex, Avian myeloblastosis, Birds, Chromatography, Electrophoresis, Molecular weight, Proteins, Virology, Virus diseases (animals).

9058-69
VIRUSES OF VERTEBRATES, ED. 2.
C H Andrewes H G Pereira
London, Bailliere, Tindall And Cassell 432 P
1967 QR360.A5
Vertebrates, Viruses.

9059-69
HOW BENEFICIAL ARE FEED ADDITIVES .
W M Beeson
Amer Vet Med Ass J 154(10):1214-1219
15 May 1969 41.8 AM3
Antibiotics, Cattle, Chlortetracycline, Feed additives, Feedlots, Melengestrol acetate, Sulfamethazine.

9060-69
STUDIES ON THE BIOSYNTHESIS AND DEGRADATION OF PHOSPHATIDYLBETA-METHYLCHOLINE BY HOUSEFLY LARVAE. (ABSTRACT).
L L Bieber L G Sellers S S Kumar
Fed Amer Soc Exp Biol Fed Proc 27(2):457
Mar 1968 442.9 F31P
Calcium, Insect biochemistry, Larvae, Lecithins, Musca domestica, Phospbolipase.

9061-69
MYCOPLASMA INFECTIONS WITH EMPHASIS ON THE CONTROL OF M. GALLISEPTICUM.
C H Bigland
Can Vet J 10(4):91-97 REF
Apr 1969 41.8 R3224
Antibiotics, Cbronic respiratory disease, Infectious diseases, Livestock diseases, Myeoplasma gallisepticum, Poultry, Respiratory diseases, Sanitation, Sinusitis, Turkey. Frencb summary.

9062-69
MYCOTOXICOSIS ASSOCIATED WITH HEMORRHAGIC ENTEROCOLITIS AND ABORTION IN SWINE.
D I Blevins M W Glenn A H Hamdy T F Brodasky R A Evans
Amer Vet Med Ass J 154(9):1043-1050 REF
01 May 1969 41.8 AM3
Abortion, Diarrhea, Infectious diseases, Mycotoxicosis, Penicillium rubrum, Serum, Swine. English summary.

9063-69
3-METHYLENE-ANDROSTAN-17BETA-OLS AND 17-ALKYL DERIVATIVES THEREOF. PATENT 3,427,386.
A Bowers J Edwards J C Orr
Us Patent Office Offic Gaz 859(2):607-608
11 Feb 1969 156.65 OF2
Androstan-17beta-ol compounds, Animals, Chemicals, Metabolism, Patents.

9064-69
EFFECT OF FOOD INTAKE ON GROWTH AND SURVIVAL OF SALMONELLAS AND ESCHERICHIA COLI IN THE BOVINE RUMEN.
L E Brownlie F H Grau
J Gen Microbiol 46(1):125-134 REF
Jan 1967 448.3 J823
Cattle, Escbericbia coli, Food consumption, Longevity, Rumen, Salmonella.

9065-69
CONTROL OF EQUINE PIROPLASMOSIS IN FLORIDA.
J E Bryant J B Anderson K H Willers
Amer Vet Med Ass J 154(9):1034-1036
01 May 1969 41.8 AM3
Babesia caballi, Dermacentor, Horses, Pesticides, Piroplasmosis, Serum. Englisb summary.

9066-69
THE STRUCTURE OF THE MAMMARY TUMOR VIRUS.
J Calafat P Hageman
Virology 38(2):364-368 REF
Jun 1969 448.8 V81
Mammary glands, Mice, Neoplasms, Viruses.

9067-69
ACTINOBACILLUS LIGNIERESII INFECTION IN A DOG.
A V Carb S K Liu
Amer Vet Med Ass J 154(9):1062-1067 REF
01 May 1969 41.8 AM3
Dogs, Infectious diseases, Kidneys, Liver, Lymph nodes, Sodium iodide, Tissues. English summary.

9068-69
A ROLE FOR PHOSPHOLIPID HYDROLYSIS IN THE LYSIS OF ESCHERICHIA COLI INFECTED WITH BACTERIOPHAGE T4.

J E Cronan D I. Wulff
Virology 38(2):241-246 REF
Jun 1969 448.8 V81
Bacteriophages, Escherichia coli, Fatty acids, Phospholipids. English summary.

9069-69
SURVEY UNCOVERS PROMISING ANTIBIOTIC.
Agr Res 17(11):5
May 1969 1.98 AG84
Antibiotics, Biological assay, Molds, Yeasts.

9070-69
FAILURE OF CHICKEN ANTISERA AGAINST PORCINE ENTEROVIRUS STRAIN V13 TO NEUTRALIZE AT LOW DILUTIONS.
J B Derbyshire R J Colwill
Res Vet Sci 10(1):94-96
Jan 1969 41.8 R312
Chickens, Infectious diseases, Porcine enteroviruses. English summary.

9071-69
STUDY OF THE THERMOSENSITIVE MUTANTS OF THE VESICULAR STOMATITIS VIRUS. EVIDENCE FROM A COMPLEMENT TEST. (FR)
A Flamand
Acad Sci Compt Rend Ser D Sci Nat 268(18, 1ST SEMESTER):2305-2308
05 May 1969 505 P21
Biochemistry, Complement, Morphology, Mutations, Temperature, Vesicular stomatitis virus.

9072-69
ISOLATION OF TOXOPLASMA GONDII FROM NATURALLY INFECTED CHICKENS.
B G Foster R G Forrest J F Blanco
Tex J Sci 20(4):323-328 REF
25 Apr 1969 470 T31
Chickens, Parasitism, Toxoplasma gondii, Toxoplasmosis.

9073-69
X-RAY DIFFRACTION AND INFRARED STUDY OF THE SULPHUR GRANULES OF ACTINOMYCES BOVIS.
P O Frazier B O Fowler
J Gen Microbiol 46(3):445-450 REF
Mar 1967 448.3 J823
Actinomycosis, Biochemistry, Infrared rays, Sulfur, X-ray diffraction.

9074-69
THE EFFECTS OF ICI 33828 AND OXYTOCIN ON MILK EJECTION AND MILK PRODUCTION IN THE LACTATING SOW.
D L Garbers N I. First
J Reprod Fertil 17(3):551-553
Dec 1968 442.8 J8222
Methallihure, Milk, Milk analysis, Milk production, Oxytocin, Swine.

9075-69
THE EFFECT OF VITAMIN A DEPLETION ON THE VASA DEFERENTIA OF YOUNG BULLS.
S Ghannam O Shehata S Deeb H Al-Alily
Res Vet Sci 10(1):79-82 REF
Jan 1969 41.8 R312
Blood vessels, Bulls, Vitamin A. English summary.

9076-69
COLITIS X (EXHAUSTION SHOCK) IN A PREGNANT MARE.
W N Harries C W Strother
Can Vet J 10(2):48-50
Feb 1969 41.8 R3224
Colitis, Diarrhea, Enteritis, Exposure, Horses, Livestock diseases, Pastures, Pregnancy, Shock. French summary.

9077-69
THE PATHOGENESIS OF THE GLOMERULOPATHY IN ALEUTIAN DISEASE. (ABSTRACT).
J B Henson
Fed Amer Soc Exp Biol Fed Proc 27(2):245
Mar 1968 442.9 F31P
Aleutian disease, Electron microscopes, Fluorescence microscopes, Glomerulitis, Livestock diseases, Milk, Minks.

9078-69
STIMULATION OF PORCINE SPLENIC CULTURES BY A RADIATIONINDUCED LYMPHOID LEUKEMIA FILTRATE: A PRELIMINARY REPORT.
E B Howard C C Jannke W J Clarke
Amer J Vet Res 30(3):423-428 REF
Mar 1969 41.8 AM3A
Filters, Growth factors, Isotopes, Leukemia, Livestock diseases, Lymphocytes, Radiation, Spleen, Strontium, Swine.

9079-69
THE INHIBITION OF LISTERIA MONOCYTOGENES BY AN ORGANISM, RESEMBLING BACILLUS MYCOIDES, PRESENT IN NORMAL SILAGE.
A D Irvin
Res Vet Sci 10(1):106-108 REF
Jan 1969 41.8 R312
Animal diseases, Bacillus, Listeria monocytogenes, Livestock, Silage. English summary.

9080-69
SEQUENCE IN THE ABORTIVE AND TERATOGENIC EFFECTS OF LOCOWEED FED TO SHEEP.
L F James R F Keeler W Binns
Amer J Vet Res 30(3):377-380 REF
Mar 1969 41.8 AM3A
Abnormalities, Abortion, Astragalus, Lambs, Livestock diseases, Poisonous plants, Pregnancy, Sheep.

9081-69
MORPHOLOGY, PHYSIOLOGY, AND SEROLOGY OF A PASTEURELLA SPECIES PATHOGENIC FOR WHITE PERCH (ROCCUS AMERICANUS).
W A Janssen M J Surgalla
J Bacteriol 96(5):1606-1610 REF
Nov 1968 448.3 J82
Animal diseases, Fish, Morphology, Pasteurella, Physiology, Serological tests.

9082-69
GROWTH OF RIFT VALLEY FEVER VIRUS IN HUMAN DIPLOID (WI-38) CELLS.
R W Johnson M D Orlando W C Patrick
Amer J Vet Res 30(3):365-367 REF
Mar 1969 41.8 AM3A
Cytology, Human diseases, Rift Valley fever virus, Tissue culture, Virology, Virus diseases (animals).

9083-69
PROTEINS OF VESICULAR STOMATITIS VIRUS. I. POLYACRYLAMIDE GEL ANALYSIS OF VIRAL ANTIGENS.
C Y Kang L Prevec
J Virology 3(4):404-413 REF
Apr 1969 QR360.J6
Antigens, Chemical analysis, Polyacrylamide, Proteins, Vesicular stomatitis virus.

9084-69
SYNERGISM IN THE CHEMOTHERAPY OF FASCIOLIASIS.
S B Kendall M A Peirce
Brit Vet J 125(2):82-85
Feb 1969 41.8 V643
Drug therapy, Fasciola hepatica, Infectious diseases, Liver, Methylenebis(3,4,6-trichlorophenol), 2,2'-, Nitrophenol, Sheep, Synergists. French, German, and Spanish summaries.

9085-69
SERUM ENZYME AND SERUM ELECTROLYTE VALUES OF LAMBS FED A MAGNESIUM-DEFICIENT RATION.
G K Kiesel H D Alexander G Brooks
Amer J Vet Res 30(3):381-391 REF
Mar 1969 41.8 AM3A
Animal nutrition, Deficiency diseases, Electrolytes, Enzymes, Lambs, Livestock diseases, Magnesium, Potassium, Serum.

9086-69
ETIOLOGIC FACTORS OF GASTRIC ULCERS IN SWINE.
T Kowalczyk
Amer J Vet Res 30(3):393-400 REF
Mar 1969 41.8 AM3A
Gastrointestinal system, Hydrogen-ion concentration, Livestock diseases, Swine, Ulcers.

9087-69
EQUINE RINGWORM CAUSED BY TRICHOPHYTON TONSURANS VAR SULFUREUM.
V B Kulkarni P G Choudhary M P Kulkarni M S Sasane
Indian Vet J 46(3):215-218 REF
Mar 1969 41.8 IN2
Culture media, Horses, Host specificity, Infectious diseases, Microsporum canis, Microsporum gypseum, Ringworm, Skin diseases, Trichophyton verrucosum, Veterinarians.

9088-69
A STUDY OF THE THERMOSENSITIVE MUTANTS OF THE VESICULAR STOMATITIS VIRUS (VSV). THE CLASSIFICATION OF SEVERAL MUTANTS BY THE CRITERIA OF FUNCTION. (FR)
F Lafay
Acad Sci Compt Rend Ser D Sci Nat 268(19, 1ST SEMESTER):2385-2388
12 May 1969 505 P21
Classification, Mutations, Physiology, Temperature, Vesicular stomatitis virus, Virology.

9089-69
BALANCE COWS' MINERALS TO DEFEAT MILK FEVER.
R Lehnert
Michigan Farmer 251(2):10-11
18 Jan 1969 6 M58
Alfalfa, Cattle, Corn, Deficiency diseases, Drug therapy, Feed additives, Grasses, Livestock diseases, Milk fever, Silage, Sodium phosphate, Vitamin D.

9090-69
POLIOENCEPHALOMALACIA (CEREBROCORTICAL NECROSIS).
F M Loew O M Radostits R H Dunlop
Can Vet J 10(2):54-56 REF
Feb 1969 41.8 R3224
Animal nutrition, Cattle, Drug therapy, Haemonchus contortus, Livestock diseases, Nervous system diseases, Polioencephalomalacia, Sheep, Thiamine. French summary.

9091-69
NEUTRALIZATION OF CANINE HERPESVIRUS BY DOG AND HUMAN SERUMS: A SURVEY.
D L Lundgren W E Clapper
Amer J Vet Res 30(3):479-482 REF
Mar 1969 41.8 AM3A
Antibodies, Blood, Canine herpesvirus, Dogs, Herpesviruses, Humans, Serum, Virology, Virus diseases (animals).

9092-69
ON THE MERIT OF SIMPLE PRICKING WITH R2B (MUKTESWAR STRAIN) FOR EFFECTIVE VACCINATION AGAINST NEW CASTLE (RANIKHET) DISEASE.
B B Mallick S K Chattopadhyay S B V Rao
Indian Poultry Gaz 52(2):12-16
Jul 1968 47.8 IN22
Chicks, Drug therapy, Immunization, Lahoratory animals, Newcastle disease, Poultry diseases, Tables (data), Vaccines, Virus diseases (animals).

9093-69
CYTOLOGY OF EQUINE NASAL SECRETIONS.
R A Mansmann J A Mansmann

Amer Vet Med Ass J 154(9):1037-1042
01 May 1969 41.8 AM3
Animal diseases, Horses, Respiratory diseases. English summary

9094-69
RELATIONSHIP OF VIRUSES TO REPRODUCTIVE PROBLEMS.
D G McKercher
Amer Vet Med Ass J 154(10):1184-1191 REF
15 May 1969 41.8 AM3
Abortion, Bluetongue virus, Cattle, Metritis, Myxoviruses, Reproduction, Vaccines, Viruses. English summary.

9095-69
INTOXIFICATION OF SWINE WITH NOXIOUS GASES.
O P Miniats R A Willoughby J G Norrish
Can Vet J 10(2):51-53 REF
Feb 1969 41.8 R3224
Barns, Excreta, Gas poisoning, Livestock diseases, Poisonous gases, Swine. French summary.

9096-69
ARSENIC POISONING OF CATTLE AND OTHER DOMESTIC ANIMALS.
J W Moxham M R Coup
New Zeal Vet J 16(10-11,OCT-NOV):161-165 REF
Oct 1968 41.8 N483
Animals, Arsenic, Arsenic trioxide, Cattle, Kidneys, Liver diseases, Poisoning, Toxicology, Urine.

9097-69
THE PRESENCE OF DIAMINOPIMELIC ACID IN THE RICKETTSIAE.
W F Myers R A Ormshee J V Osterman C L Wisseman
Soc Exp Biol Med Proc 125(2):459-462
Jun 1967 442.9 SO1
Amino acids, Biological assay, Chemical analysis, Histochemistry, Rickettsia.

9098-69
BOVINE HORN CANCER: THERAPEUTIC EXPERIMENTS WITH AUTOGENOUS VACCINE.
S P Pachauri R C Pathak
Amer J Vet Res 30(3):475-477 REF
Mar 1969 41.8 AM3A
Cancer, Cattle, Horns, Livestock diseases, Therapeutics, Vaccines.

9099-69
ALEUTIAN DISEASE OF MINK: INFECTIOUS VIRUS-ANTIBODY COMPLEXES IN THE SERUM.
D D Porter A E Larsen
Soc Exp Biol Med Proc 126(3):680-682 REF
Dec 1967 442.9 SO1
Aleutian disease, Antibodies, Minks, Serological tests, Virus diseases (animals).

9100-69
SURVEY OBSERVATIONS ON OVINE MASTITIS IN NEW ZEALAND STUD ROMNEY FLOCKS. 2. THE BACTERIOLOGY OF OVINE MASTITIS.
T D Quinlivan
New Zeal Vet J 16(10-11,OCT-NOV):153-160 REF
Oct 1968 41.8 N483
Corynebacterium pyogenes, Escherichia coli, Infectious diseases, Mastitis, Pasteurella, Sheep, Streptococcus.

9101-69
SURVEY OBSERVATIONS ON OVINE MASTITIS IN NEW ZEALAND STUD ROMNEY FLOCKS. 1. THE INCIDENCE OF OVINE MASTITIS.
T D Quinlivan
New Zeal Vet J 16(10-11,OCT-NOV):149-153
Oct 1968 41.8 N483
Mastitis, Sheep, Surveys.

9102-69
THE USE OF FERROMYN (FERROUS SUCCINATE) IN IRON DEFICIENCY ANEMIA.
R S Raghavan N A Khan V Sudbir C Reddy
Indian Vet J 46(3):253-256
Mar 1969 41.8 IN2
Anemia, Animals, Deficiency diseases, Dogs, Drugs, Iron, Iron oxides, Iron sulfates, Organic compounds.

9103-69
CONTROL OF CHRONIC RESPIRATORY DISEASE BY SPIRAMYCIN ANTIBIOTIC THERAPY.
S B V Rao K N Kapoor
Indian Poultry Gaz 52(2):10-11
Jul 1968 47.8 IN22
Antibiotics, Chickens, Dosage, Laboratory animals, Poultry diseases, Respiratory diseases, Serological tests, Spiramycin.

9104-69
THE TREND IN THE EVOLUTION OF THE POULTRY VACCINES AND THE CHANNELS OF ADMINISTRATION.
S B V Rao
Indian Poultry Gaz 52(2):7-9
Jul 1968 47.8 IN22
Bacterial diseases (animals), Bacterial vaccines, Chickens, Laboratory animals, Newcastle disease, Poultry, Poultry diseases, Poultry farm management, Vaccines.

9105-69
(R2B) THE MUKTESWAR VIRUS VACCINE AND ITS CHARACTERS.
S B V Rao
Indian Poultry Gaz 52(2):36-38
Jul 1968 47.8 IN22
Chicks, Immunity, Microorganisms, Newcastle disease, Poultry diseases, Respiratory diseases, Vaccines, Virus diseases (animals).

9106-69
EVALUATION OF TECHNIQUES USED IN STUDIES ON EFFICACY OF ANTICOCCIDIAL DRUGS IN CHICKENS.
W M Reid R N Brewer J Johnson E M Taylor K S Hegde
Amer J Vet Res 30(3):447-459 REF
Mar 1969 41.8 AM3A
Barns, Chickens, Coccidiosis, Drug therapy, Poultry diseases.

9107-69
CULICIDAE AND TABANIDAE AS POTENTIAL VECTORS OF ANAPLASMOSIS IN MISSISSIPPI.
R H Roberts W A Pund H F McCrory J W Scales J C Collins
Entomol Soc Amer Ann 62(4):863-868 REF
Jul 1969 420 EN82
Anaplasmosis, Cattle, Culicidae, Insect vectors, Protozoa, Tabanidae.

9108-69
EXPERIMENTAL INFECTIONS OF CALVES WITH TRICHOSTRONGYLUS AXEI INVESTIGATIONS USING ABOMASAL CANNULAE.
J G Ross D A Pureell J R Todd
Res Vet Sci 10(1):46-56
Jan 1969 41.8 R312
Abomasum, Calves, Infectious diseases, Trichostrongylus axei. English summary.

9109-69
MULTIPLE ANTIGENIC COMPONENTS OF THE GROUP-SPECIFIC ANTIGEN OF THE AVIAN LEUKOSIS-SARCOMA VIRUSES.
F K Roth R M Dougherty
Virology 38(2):278-284 REF
Jun 1969 448.8 V81
Antigens, Avian leukosis complex, Chicks, Embryology, Hamsters, Sarcoma, Tissues. English summary.

9110-69
A SEROLOGICAL COMPARISON OF SEVEN STRAINS OF BOVINE HERPES MAMMILLITIS VIRUS.
M M Rweyemamu R H Johnson
Res Vet Sci 10(1):102-104
Jan 1969 41.8 R312
Cattle, Herpesviruses, Infectious diseases. English summary.

9111-69
AVIAN NEPHROSIS ASSOCIATED WITH HIGH DIETARY CALCIUM. (ABSTRACT).
S M Shane R J Young L Lutwak
Fed Amer Soc Exp Biol Fed Proc 27(2):312
Mar 1968 442.9 F31P
Animal nutrition, Biochemistry, Calcium, Chickens, Feed, Gumboro disease.

9112-69
STUDIES ON HAEMATOLOGICAL RESPONSE IN FOWL TO PASTEURELLA SEPTICA (AVIAN). I. RESPONSE TO INOCULATION OF VIRULENT CULTURE.
R N Sharma N P Bhalla
Indian Vet J 46(3):195-202 REF
Mar 1969 41.8 IN2
Culture media, Erythrocytes, Fowl cholera, Hematology, Immunization, Infectious diseases.

9113-69
CUTANEOUS STREPTOTHRICOSIS IN A BULL.
E B Shotts D E Tyler J E Christy
Amer Vet Med Ass J 154(11):1450-1454 REF
01 Jun 1969 41.8 AM3
Cattle, Dermatophilus congolensis, Dihydrostreptomycin, Dosage, Mycosis, Procaine penicillin, Streptotrichosis.

Cutaneous streptothricosis was diagnosed in a yearling Shorthorn bull originating near Athens, Ga., and Dermatophilus congolensis was isolated from typical hyperkeratotic lesions. Although several medications were employed, lesions did not clear until dihydrostreptomycin and procaine penicillin were given intramuscularly at the rate of 70 mg. and 56, 000 IU, respectively, per kilogram of body weight, every other day, for a total of 5 treatments.

9114-69
RIBONUCLEIC ACID SYNTHESIS IN CHICK EMBRYO CELLS INFECTED WITH FOWL-PLAGUE VIRUS.
J J Skehel D C Burke
J Virology 3(4):429-438 REF
Apr 1969 QR360.J6
Chicks, Fowl plague virus, Ribonucleic acid, Tissue culture.

Increases in RNA polymerase activity were detected in both the nuclear and ribosomal fractions of chick embryo cells infected with fowl-plague virus. These were observed only in the presence of all four nucleoside triphosphates and were not affected by actionomycin D. The RNA polymerase activity of the ribosomal fraction was shown to be associated with a component of infected cells of sedimentation coefficient approximately 70S. This component also contained infected cell-specific RNA and protein molecules.

9115-69
ELECTRON MICROSCOPICAL OBSERVATIONS ON MYCOBACTERIUM JOHNEI.
K Smith
Res Vet Sci 10(1):1-3 REF
Jan 1969 41.8 R312
Electron microscopy, Intestines, Mice, Mycobacterium, Plasma membrane, Tissues. English summary.

9116-69
SEROLOGICAL INVESTIGATION INTO PORCINE BRUCELLOSIS.
J L Soni P N Pathak
Indian Vet J 46(3):191-195 REF
Mar 1969 41.8 IN2
Antibodies, Baby pigs, Brucella suis, Brucellosis, Infectious diseases, Serological tests.

9117-69
BUSHBUSH, IERI, AND LUKUNI VIRUSES, THREE UNRELATED NEW AGENTS ISO-

LATED FROM TRINIDADIAN FOREST MOSQUITOES.
L Spence C R Anderson T H Aitken W G Downs
Soc Exp Biol Med Proc 125(1):45-50 REF
May 1967 442.9 SO1
Culex, Disease transmission, Serological tests, Virus diseases (animals).

Seven virus strains, all isolated from forest mosquitoes in eastern Trinidad between 1955 and 1959, have been shown to represent 3 unrelated new viruses, Bushbush, Ieri and Lukuni. Neutralizing antibody to Lukuni virus has been demonstrated in human serum. No relationship has been found between Bushbush or Ieri virus and recognized arboviruses but Lukuni virus has been found to be serologically related to Anopheles A virus.

9118-69
THE FINE STRUCTURE OF NOSEMA SP. SPRAGUE, 1965 (MICROSPORIDA, NOSEMATIDAE) WITH PARTICULAR REFERENCE TO STAGES IN SPOROGONY.
V Sprague S H Vernick B J Lloyd
J Invertebrate Pathol 12(1):105-117 REF
Oct 1968 421 J826
Animal physiology, Crabs, Electron microscopy, Fungus diseases (animals), Illustrations, Laboratory animals, Muscles, Nosema, Spores.

9119-69
VESICULAR STOMATITIS VIRUS INFECTIONS IN PANAMANIAN PRIMATES AND OTHER VERTEBRATES.
S Srihongse
Amer J Epidemiol 90(1):69-76 REF
Jul 1969 449.8 AM3
Antibodies, Monkeys, Panama, Vertebrates, Vesicular stomatitis virus, Viruses.

9120-69
A COMMON SOURCE EPIZOOTIC OF BOVINE SALMONELLOSIS IN MANITOBA.
A A Van Dreumel B R Boycott R A Boroski
Can Vet J 10(2):33-44 REF
Feb 1969 41.8 R3224
Bonemeal, Cattle, Epizootic diseases, Feed contamination, Infectious diseases, Livestock diseases, Microorganisms, Salmonella, Salmonellosis. French summary.

9121-69
TENOSYNOVITIS IN THE HORSE.
R W Van Pelt
Amer Vet Med Ass J 154(9):1022-1033 REF
01 May 1969 41.8 AM3
Horses, Inflammation, Tenosynovitis. English summary.

9122-69
INTERFERENCE BETWEEN VACCINAL VIRUS AND RABIES VIRUS. (FR)
J Vieuchange M A Chabaud C Vialat
Paris Soc Biol Compt Rend 160(12):2278-2282
08 Jun 1967 442.9 P21
Interference phenomenon, Rabies virus, Tissue culture, Vaccinia virus.

9123-69
STRUCTURAL PROTEINS OF VESICULAR STOMATITIS VIRUSES.
R R Wagner T A Schnaitman R M Snyder
J Virology 3(4):395-403 REF
Apr 1969 QR360.J6
Chemical analysis, Electrophoresis, Proteins, Vesicular stomatitis virus.

9124-69
TRICHINIASIS IN WILDLIFE OF IOWA.
W J Zimmermann E D Huhhard
Amer J Epidemiol 90(1):84-92 REF
Jul 1969 449.8 AM3
Trichinella spiralis, Trichinosis, Wildlife.

9125-69
A TOOL FOR COMBATING TRICHINOSIS.
W J Zimmermann J A Wallize
Iowa Farm Sci 23(11):3-6
May 1969 275.28 IO94
Swine, Trichinosis.

ARTHROPODS

9126-69
FURTHER EVALUATION OF ANIMAL SYSTEMIC INSECTICIDES, 1968.
R O Drummond W J Gladney
J Econ Entomol 62(4):934-936 REF
15 Aug 1969 421 J822
Amhlyomma americanum, Carbamates, Cattle, Chemical control (insects), Cochliomyia macellaria, Guinea pigs, Hypoderma, Insecticides, Organophosphorus compounds, Phormia regina, Stomoxys calcitrans, Toxicology. Some cattle died as result of treatment.

9127-69
INFECTION EXPERIMENTS WITH THE COTTON RAT FILARIA LITOMOSOIDES CARINII IN MASTOMYS NATALENSIS (SMITH, 1834). (GE)
G Laemmler E Saupe H Herzog
Z Parasitenk 30(4):281-290 REF
26 Jul 1968 442.8 Z33F
Animal diseases, Blood, Drug therapy, Filariasis, Immunology, Insect vectors, Laboratory animals, Litomosoides carinii, Mice, Mites, Ornithonyssus hacoti, Rodents. English summary.

9128-69
SOME ECTOPARASITES FROM WEST VIRGINIA MAMMALS, II.
J P Shoemaker S J Joy
W Va Acad Sci Proc 39:78-80
1967 500 W52
Acarina, Anoplura, Diptera, Ectoparasites, Mammals, Surveys.

9129-69
AFRICAN RED TICK ERADICATION WITH DDT. FINAL REPORT ON ERADICATION OF RED TICK FROM AFRICA, AND USA.
Amer Vet Med Ass J 141(4):461
15 Aug 1962 41.8 AM3
Chemical control (pests), DDT.

PARASITES

9130-69
FINE STRUCTURE OF THE INTESTINE OF THE NEMATODES, ANCYLOSTOMA CANINUM AND PHOCANEMA DECIPIENS.
J Andreassen
Z Parasitenk 30(4):318-336 REF
26 Jul 1968 442.8 Z33F
Ancylostoma caninum, Animal anatomy, Animal physiology, Biology, Dogs, Intestines, Nematodes. German summary.

A. caninum is described and compared with P. decipiens from the harbor seal (Phoca vitulina).

9131-69
HOST-PARASITE RELATIONSHIPS OF FASCIOLA HEPATICA IN THE WHITE MOUSE. III. WORM TRANSFER.
B Z Lang
Okla Acad Sci Proc 47:81-84
1968 500 OK42
Animal disease transmission, Animal physiology, Fasciola hepatica, Immunization, Mice, Trematodiasis.

9132-69
POSTMORTEM PULMONARY ARTERIOGRAPHY IN CANINE DIROFILARIASIS.
S K Liu D A Yarns R J Tashjian
Amer J Vet Res 30(3):319-329 REF
Mar 1969 41.8 AM3A
Arteries, Arteriography, Autopsies, Dirofilaria immitis, Dirofilariasis, Dogs, Parasitism.

9133-69
UTILIZATION OF TRICARBOXYLIC ACID CYCLE INTERMEDIATES BY HAEMONCHUS CONTORTUS LARVAE.
K E Moon P J Schofield
Compar Biochem Physiol 24(2):581-590 REF
Feb 1968 444.8 C73
Haemonchus contortus, Insect metaholism, Larvae, Radioactive tracers, Tricarboxylic acid cycle.

9134-69
THE INHIBITORY EFFECT OF A DITHIOSEMICARBAZONE ON ACUTE INFECTIONS OF ANAPLASMA MARGINALE.
T O Roby T E Amerault L A Spindler
Res Vet Sci 9(6):494-499
Nov 1968 41.8 R312
Anaplasma marginale, Anaplasmosis, Calves, Cattle, Dithiosemicarbazones, Parasitism.

9135-69
FURTHER EXPERIMENTS WITH LOW-LEVEL FEEDING OF THIABENDAZOLE TO LAMBS.
D B Ross
Res Vet Sci 9(6):515-520
Nov 1968 41.8 R312
Haemonchus contortus, Lambs, Larvae, Nematodirus battus, Ostertagia, Parasitism, Thiazolyl)-henzimidizole, 2-(4-, Trichostrongylus colubriformis.

9136-69
POSSIBLE EFFECTS OF THE HARBOUR SEAL BOUNTY ON CODWORM INFESTATIONS OF ATLANTIC COD IN THE GULF OF ST. LAWRENCE, THE STRAIT OF BELLE ISLE, AND THE LABRADOR SEA.
M Wiles
Can Fish Res Board J 25(12):2749-2753 MAP
Dec 1968 442.9 C16J
Nematodes, Parasitism, Porrocaecum, Seals (animals), Wildlife diseases.

COMMODITY PROTECTION

9137-69
DISTRIBUTION AND STABILITY OF DDE, DDD, AND DDT IN MONTEREY AND CHEDDAR CHEESE DURING MANUFACTURE AND STORAGE.
J E Montoure P J Muldoon
J Dairy Sci 51(6):858-862
Jun 1968 44.8 J822
Cheese, Dichloro-2,2-his(p-chlorophenyl) ethylene, 1,1-, DDT, Food processing, Food storage.

9138-69
THE UTILIZATION OF THE CALCIUM SENSITIVITY TEST IN THE INVESTIGATION OF THE RENNET ACTIVITY. (GE)
R Niki K Chang S Arima
Hokkaido Univ Fac Agr J 55(PT 4):421-428
May 1968 107.6 J273J
Calcium, Casein, Ions, Milk, Nitrogen, Proteins.

9139-69
THE PRESERVATION OF FRUIT. (FR)
J P Raskin M Herregods
Fruit Belg 36(324):285-304
Aug 1968 80 F9493
Apples, Canning, Dairy equipment, Fruit, Industry, Methodology, Pears, Plant diseases.

STORAGE DISEASES

9140-69
EXPERIMENTS ON THE CONTROL OF GLOEOSPORIUM FRUIT ROTS BY FIELD SPRAYS, WITH AN ADDENDUM ON: HARVEST RESIDUES OF DICHLOFLUANID.
R T Burchill K L Edney R P Tew J M Lewis
East Malling Res Sta Annu Rep (A51):135-137

1968 103 EA7
Apples, Captan, Chlorinated hydrocarbons, Fluorine compounds, Fruit, Fungicides, Fungus diseases (plants), Rot, Storage diseases.

ARTHROPODS

9141-69
REPORT ON ANALYTICAL ENTOMOLOGY OF FOOD AND DRUGS.
P M Brickey
Ass Offic Anal Chem J 52(2):279
Mar 1969 381 AS7
Biological assay, Chemical analysis, Drugs, Food contamination, Insects, Methodology.

9142-69
COMPARISON OF WHITE GASOLINE AND N-HEPTANE FOR RECOVERY OF INSECT FRAGMENTS AND RODENT HAIRS FROM FOOD PRODUCTS.
J J Thrasher P M Brickey
Ass Offic Anal Chem J 52(3):465-467
May 1969 381 AS7
Food sanitation, Hair, Heptane, Insects, Petroleum, Rodents.

ENVIRONMENTAL CONTAMINATION

9143-69
NOTE ON THE DETERMINATION OF SOME CHLOROPHENOXY HERBICIDES AND THEIR ESTERS IN WATER.
J M Devine G Zweig
Ass Offic Anal Chem J 52(1):187-189
Jan 1969 381 AS7
D, 2,4-, Dicamba, Esters, Herbicides, Methyl-4-chlorophenoxyacetic acid, 2-, Silvex, T, 2,4,5-, Water.

9144-69
STUDIES ON EFFECTS OF FOREST SPRAYINGS WITH INSECTICIDES, 1952-63, ON FISH AND AQUATIC INVERTEBRATES IN NEW BRUNSWICK STREAMS: INTRODUCTION AND SUMMARY.
G J Kerswill
J Fish Res Board Can 24(4):701-708, MAP REF
Apr 1967 442.9 C16J
Aquatic insects, Chorístoneura, DDT, Fish, Forests, Losses, Petroleum, Spraying, Streams, Water pollution.
Abstract included.

9145-69
DDT RESIDUES IN A EAST COAST ESTUARY, A CASE OF BIOLOGICAL CONCENTRATION OF A PERSISTENT INSECTICIDE.
G M Woodwell C F Wurster P A Isaaeson
Science 156(3776):821-824 REF
12 May 1967 470 SCI2
Birds, DDT, Fish, Marine hiology, Metaholites, Plankton, Water pollution.
Ahstract

RESIDUES

9146-69
CHARCOAL DIET FOR CATTLE.
Anonymus
Sci News Lett 94(21):520
23 Nov 1968 470 SCI24
Cattle, Charcoal, Dieldrin, Diet, Food consumption, Food contamination, Food nutritive value, Livestock, Pestieide residues, Pesticides.

9147-69
THE GAS CHROMATOGRAPHIC EXAMINATION OF ORGANOPHOSPHORUS PESTICIDES. IV. TIIE EFFECT OF COOKING ON ORGANOPHOSPHORUS PESTICIDE RESIDUES.
J Askew T H Mitchell J Thomson B B Whcals
J Chromatography 32(2):417-418
23 Jan 1968 475 J824
Chemical analysis, Chromatography, Heat, Organophosphorus compounds, Pestieide residues.

9148-69
RECOVERY OF 65 ORGANOPHOSPHORUS PESTICIDES FROM FLORISIL WITH A NEW SOLVENT ELUTION SYSTEM.
H Beckman D Garber
Ass Offic Anal Chem J 52(2):286-293
Mar 1969 381 AS7
Chemical analysis, Chromatography, Florisil, Organophosphorus compounds, Pestieide residues, Surveys.

9149-69
CHLORINATED INSECTICIDES IN THE BODY FAT OF PEOPLE IN THE UNITED STATES.
W E Dale G E Quinby
Science 142(3592):593-595, REF.
01 Nov 1963 470 SCI2
Benzene hexachloride, Chlorinated hydrocarbons, Chromatography, Dieldrin, DDT, Humans, Insecticide residues, Metabolites.

9150-69
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
R E Duggan
Fed Regist 34(17):1273
25 Jan 1969 L1.451
Chemicals, Corn, Diethyl O-(p-methylsulfinyl)phenyl)phosphorothioate, O,O-, Insecticides, Pestieide residues, Potatoes, Tomatoes.

9151-69
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
R E Duggan
Fed Regist 34(17):1274
25 Jan 1969 L1.451
Cattle, Chemicals, Chromatography, Diehlorvos, Horses, Insecticides, Meat, Pestieide residues, Sheep, Swine.

9152-69
RESPONSE OF ROBINS TO DDT AND METHOXYCHLOR.
L B Hunt R L Sacho
J Wildlife Manage 33(2):336-345 REF
Apr 1969 410 J827
Birds, DDT, Insecticide residues, Methoxyehlor, Mortality.

9153-69
STUDIES ON THE EFFECT OF SULFURIC-FUMING NITRIC ACID TREATMENT ON THE ANALYTICAL CHARACTERISTICS OF TOXAPHENE.
Y Kawano A Bevenue H Beckman F Erro
Ass Offic Anal Chem J 52(1):167-172 REF
Jan 1969 381 AS7
Chemical analysis, Chromatography, DDT, Insecticide residues, Nitrie aeid, Sulfurie aeid, Toxaphene.

9154-69
MODIFICATION OF THE CARBON DISULFIDE EVOLUTION METHOD FOR DITHIOCARBAMATE RESIDUES.
G E Keppel
Ass Offic Anal Chem J 52(1):162-167 REF
Jan 1969 381 AS7
Carhon disulfide, Chemical analysis, Dithiocarbamates, Fungieides, Pestieide residues.

9155-69
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. P-CHLOROPHENYL-2,4,5-TRICHLOROPHENYL SULFIDE.
J K Kirk
Fed Regist 34(19):1378
29 Jan 1969 L1.451
Agricultural products, Apples, Chemicals, Insecticides, Pestieide residues, Tetrasul.

9156-69
ALKALINE PRE-COLUMN FOR USE IN GAS CHROMATOGRAPHIC PESTICIDE RESIDUE ANALYSIS.
G A Miller C E Wells
Ass Offic Anal Chem J 52(3):548-553
May 1969 381 AS7
Chemical analysis, Chromatography, Laboratory equipment, Pestieide residues.

9157-69
RESIDUE ANALYSIS IN THE DAIRY INDUSTRY. IN ZWIG, ANALYTICAL METHODS FOR PESTICIDES, PLANT GROWTH REGULATORS, AND FOOD ADDITIVES. VOL. I. PRINCIPLES, METHODS, AND GENERAL APPLICATION. 395 Z9.
R A Moffitt
P.545-570 REF
1963
Benzene hexaehloride, Carbamates, Chromatography, Dairy industry, Dairy products, DDT, Food contamination, Methoxyehlor, Organophosphorus compounds, Pesticide residues, Spectrophotometry, Sulfur compounds.

9158-69
ACETONITRILE EXTRACTION AND DETERMINATION OF CARBARYL IN FRUITS AND VEGETABLES.
M L Porter R Gajan J A Burke
Ass Offic Anal Chem J 52(1):177-181 REF
Jan 1969 381 AS7
Acetonitrile, Carharyl, Chemical analysis, Fruit, Pestieide residues, Polarography, Vegetables.

9159-69
INDOXYL ACETATE SPRAY REAGENT FOR FLUOROGENIC DETECTION OF CHOLINESTERASE INHIBITORS IN ENVIRONMENTAL SAMPLES.
R L Sehutzmann W F Barthel
Ass Offic Anal Chem J 52(1):151-156 REF
Jan 1969 381 AS7
Chemical analysis, Chromatography, Enzymes, Pestieide residues, Phosphorus compounds.
A cholinesterase inhibition method to detect thionophosphates (P0S compounds) and their oxygen analogs (P0O) by two-dimensional thin layer chromatography is deseribed. Environmental samples are eleaned up on Florex columns and spotted on silica gel thin layer plates. Plates are developed in solvent mixtures of opposite polarity, then sprayed with an enzyme solution and indoxyl aeetate. Submierogram sensitivity is achieved by fluorogenie and chromogenie reaction. Some compounds give charaeteristie colored reaction products.

9160-69
RESIDUES OF THIMET ON GREEN AND ON FIELD-DRIED ALFALFA.
F R Shaw D E Miller M C Miller C P S Yadava
J Econ Entomol 62(4):952-953
15 Aug 1969 421 J822
Alfalfa, Feed, Food contamination, Insecticide residues, Organophosphorus compounds, Phorate.

9161-69
IMPROVED GAS CHROMATOGRAPHIC SYSTEMS FOR DETERMINING ORGANOCHLORINE PESTICIDE RESIDUES IN WILDLIFE.
J H Simmons J O Tatton
J Chromatography 27(1):253-255
Mar 1967 475 J824
Chemical analysis, Chlorinated hydrocarbons, Chromatography, Insecticide residues, Insecticides, Methodology, Wildlife.

9162-69
GAS CHROMATOGRAPHIC DETERMINATION OF RESIDUES OF DIMETHOATE AND ITS OXYGEN ANALOG IN FIELD-SPRAYED KALE.
R W Storherr R R Watts
Ass Offic Anal Chem J 52(3):511-513
May 1969 381 AS7
Chemical analysis, Cbromatography, Dimethoate, Kale, Pesticide residues.

9163-69
CHARCOAL COLUMN CLEANUP METHOD FOR MANY ORGANOPHOSPHORUS PESTICIDE RESIDUES IN CROP EXTRACTS.
R R Watts R W Storberr J R Pardue T Osgood
Ass Offic Anal Chem J 52(3):522-526 REF
May 1969 381 AS7
Charcoal, Chemical analysis, Organopbospborus compounds, Pesticide residues, Plant extracts.

9164-69
COMPARISON OF FOUR EXTRACTION AND CLEANUP PROCEDURES FOR CHLORINATED PESTICIDE RESIDUES IN EGGS.
J R Wessel
Ass Offic Anal Chem J 52(1):172-175
Jan 1969 381 AS7
Cbemical analysis, Cblorinated hydrocarbons, Dieldrin, DDT, Eggs, Endrin, Heptacblor epoxide, Pesticide residues.

9165-69
RESPIRATORY EXPOSURE OF DAIRY ANIMALS TO PESTICIDES.
J M Witt F M Whiting W H Brown
Advances Chem Ser 60:99-109
1966 381 AD93
Cattle, Diebloro-2,2-bis(p-chlorophenyl) etbylene, 1,1-, DDT, Pesticide residues, Respiratory system.

9166-69
DDT RESIDUES AND DECLINING REPRODUCTION IN BERMUDA PETREL.
C F Wurster D B Wingate
Science 159(3818):979-981 REF
01 Mar 1968 470 SC12
Animal physiology, Birds, DDT, Pesticide residues, Reproduction.

TOXICOLOGY

9167-69
SURVIVAL OF FISH IN 164 HERBICIDES, INSECTICIDES, FUNGICIDES, WETTING AGENTS AND MISCELLANEOUS SUBSTANCES.
J S Alahaster
Int Pest Contr 11(2,MAR-APR):29-35
Mar 1969 79.8 P432
DDT, Fish, Fungicides, Herbicides, Insecticides, Water.

9168-69
COMPARATIVE TOXICITES OF INSECTICIDES TO HOUSE FLY LARVAE AND MACROCHELES MUSCAEDOMESTICA, A MITE PREDATOR OF THE HOUSE FLY.
R C Axtell
J Econ Entomol 59(5):1128-1130
Oct 1966 421 J822
Chlorinated bydrocarbons, Insecticides, Larvae, Lindane, Macrocheles museaedomesticae, Mites, Musca domestica, Naled, Predaceous insects, Ronnel, Toxicity, Trieblorfon.

9169-69
RADIOTRACER STUDIES ON METABOLISM, DEGRADATION, AND MODE OF ACTION OF INSECTICIDE CHEMICALS.
J E Casida
Residue Rev 25:149-160
1969 389.9 R314
Biochemistry, Degradation, Insecticides, Metabolism, Radioactive tracers.

9170-69
PESTICIDE RESIDUES IN FOODS IN RELATION TO HUMAN HEALTH.
W F Durham
Residue Rev 4:33-81, 192 REFS.
1963 389.9 R314
Amitrole, Arsenic, Carcinogens, Demeton, Dieldrin, DDT, Endrin, Epn, Food additives, Malathion, Paratbion, Pesticide residues, Sebradan.

9171-69
THIN-LAYER CHROMATOGRAPHY OF RAT BILE AND URINE FOLLOWING INTRAVENOUS ADMINISTRATION OF PESTICIDAL SYNERGISTS.
L Fisbbein J Fawkes H L Falk S Thompson
J Chromatography 27(1):153-166 REF
Mar 1967 475 J824
Animal metaholism, Bile, Butoxyethoxy)etbanol, 2-(2-, Cbromatography, Insecticide synergists, Piperonal his(2-(2-butoxyetboxy)etbyl) acetal, Piperonyl butoxide, Rats, Urine.

Cbromatograpbic differences in rat bile and urine samples resulting from single intravenous administration of piperonyl butoxide, tropital and butyl carbitol were elaborated utilizing four solvent systems, viz. toluene-acetic acid-water (10:10:1), ethyl acetate-acetic acid-metbanol (70:10:20), etbyl acetate-acetic acid (96:4), and butanol-acetic acid-water (10:1:1). Detection was accomplisbed witb concentrated sulfuric acid-n-butanol (15:85) and fuming iodine as well as 2537 A and 3660 A ultraviolet sources.

9172-69
ACUTE CUTANEOUS TOXICITY OF CERTAIN ORGANOPHOSPHOROUS INSECTICIDES. I. LEBAYCID. (FR)
R Fytizas-Danielidou
Inst Phyto Pathol Benaki Ann 8(1):1-18 REF
1967 464.9 AT4
Blood plasma, Cbolinesterases, Dosage, Enzymes, Fentbion, Insecticides, Organopbospborus compounds, Rats, Toxicity.

9173-69
TYLAN VERY EFFECTIVE IN TREATING PIGEONS.
J Hawkins
Amer Pigeon J 58(5):237
May 1969 47.8 AM35
Drug therapy, Pigeons, Respiratory diseases, Tylan.

9174-69
SUSCEPTIBILITY OF MALE AND FEMALE MICE TO THE MEPHROTOXIC AND HEPATOTOXIC PROPERTIES OF CHLORINATED HYDROCARBONS.
C D Klaassen G L Plaa
Soc Exp Biol Med Proc 124(4):1163-1166 REF
Apr 1967 442.9 SO1
Cblorinated bydrocarbons, Insecticides, Kidneys, Liver, Mice.

9175-69
MORTALITY OF THE EARTHWORM LUMBRICUS TERRESTRIS L. FOLLOWING SOIL APPLICATIONS OF INSECTICIDES TO A TOBACCO FIELD.
J B Kring
J Econ Entomol 62(4):963
15 Aug 1969 421 J822
Carbamates, Carbofuran, Diazinon, Disulfoton, Earthworms, Insecticides, Mortality, Organophosphorus compounds, Soil sanitation, Tobacco. Detrimental effects, and possible use to control pest species are included.

9176-69
COMPARATIVE MECHANISMS OF INSECTICIDE BINDING WITH NERVE COMPONENTS OF INSECTS AND MAMMALS.
F Matsumura M Hayasbi
Residue Rev 25:265-273
1969 389.9 R314
Insecticides, Insects, Mammals, Nervous system, Physiology, Toxicology.

9177-69
MECHANISMS OF PESTICIDE INTERACTIONS IN VERTEBRATES.
S D Murpby
Residue Rev 25:201-221 REF
1969 389.9 R314
Animal pbysiology, Metabolism, Organophosphorus compounds, Pesticides, Toxicity, Vertebrates.

9178-69
MODE OF ACTION OF DDT AND ALLETHRIN ON NERVE: CELLULAR AND MOLECULAR MECHANISMS.
T Narahashi .
Residue Rev 25:275-288 REF
1969 389.9 R314
Alletbrin, Animal pbysiology, DDT, Electropbysiology, Nerves, Toxicology.

9179-69
STUDIES OF WARFARIN RESISTANCE IN THE RAT. (ABSTRACT).
J G Pool R A O'Reilly L J Schneiderman M Alexander
Fed Amer Soc Exp Biol Fed Proc 27(2):435
Mar 1968 442.9 F31P
Animal genetics, Blood plasma, Liver, Rats, Rodenticides, Toxicology, Warfarin.

9180-69
BIOLOGICAL ACTIVITY OF A PHYTOTOXIC GLYCOPEPTIDE PRODUCED BY CORYNEBACTERIUM SEPEDONICUM.
G A Strobel W M Hess
Plant Physiol 43(10):1673-1688 REF
Oct 1968 450 P692
Autoradiography, Corynebacterium insidiosum, Corynebacterium sepedonicum, Dextrans, Electron microscopy, Glycopeptides, Illustrations, Pbytotoxicity, Plant injuries, Plant pbysiology, Toxins.

9181-69
PHARMACOLOGIC ACTION OF PURE VENOM FRACTIONS OF NAJA NIGRICOLLIS AND LIBERATION OF CALCIUM IN THE STRIATED MUSCLES. (FR)
F Tazieff-Depierre M Czajka C Lowagie
Acad Sci Compt Rend Ser D Sci Nat 268(20, 1ST SEMESTER):2511-2514 REF
19 May 1969 505 P21
Animal physiology, Calcium, Cats, Muscles, Snake venom.

9182-69
AN EVALUATION OF CERTAIN COMPOUNDS AS FEEDING DETERRENTS AGAINST THE SMALLER EUROPEAN ELM BARK BEETLE, SCOLYTUS MULTISTRIATUS.
J G Toubey D F Bray
J Econ Entomol 54(2):293-296
Apr 1961 421 J822
Decanoic acid, Dieback (ulmus), Diethoxybenzaldebyde, 3,4-, Dietbyl-m-toluamide, N,N-, Dimetbyl pbthalate, DDT, Scolytus, Scolytus multistriatus.

9183-69
HEMATOPOIESIS AND EPIPHYSEAL GROWTH ZONES IN RABBITS WITH MOLYBDENOSIS.
V E O Valli A McCarter B J McSberry G A Robinson
Amer J Vet Res 30(3):435-445 REF
Mar 1969 41.8 AM3A
Blood, Epipbysis, Hematopoiesis, Molybdenum poisoning, Rabbits, Toxicology.

9184-69
THE METABOLISM OF BAYER 9017 IN CALVES.
S Y Young R S Berger
J Econ Entomol 62(4):929-933 REF
15 Aug 1969 421 J822
Animal metabolism, Calves, Dietbyl O-(4-(metbyltbio)-3-xylyl) pbospborotbioate, O,O-, Feces, Insecticide application, Metabolites, Organophospborus compounds, Radioactive tracers, Sulfur isotopes, Urine.

PLANT PHYSIOLOGY & BIOCHEMISTRY

9185-69
PREDICTING MAIZE SEED VIABILITY USING 2,3,5-TRIPHENYLTETRAZOLIUM CHLORIDE.
M A Adansi
Ghana J Agr Sci (1,PT 1):5-11 REF
Jun 1968 S19.G5
Corn, Seed germination, Seeds, Tripbenyltetrazolium chloride, 2,3,5-.

9186-69
CREEPING CHARLIE USES AQUALIN TO KILL AQUATIC WEEDS.
Anonymous
Weeds Trees Turf 8(5):18-20
May 1969 79.8 W413
Aqualin, Aquatic weeds, Cbemical control (weeds), Herbicides, Spraying equipment.

9187-69
EFFECTS OF LIGHT AND 2,4-DICHLOROPHENOXYACETIC ACID ON THE GLUTATHIONE REDUCTASE AND OTHER NADP-UTILIZING ENZYMES OF EXCISED COTTON COTYLEDONS.
E Basler G D Wills
Okla Acad Sci Proc 47:1-7 REF
1968 500 OK42
Cotton, D, 2,4-, Enzymes, Glutatbione reductase, Photocbemistry, Plant biocbemistry.

9188-69
CELL-WALL DEPOSITION AND THE DISTRIBUTION OF CYTOPLASMIC ELEMENTS AFTER TREATMENT OF PEA INTERNODES WITH THE AUXIN ANALOG 2,3,5-TRIIODOBENZOIC ACID.
G B Bouck A W Galston
N Y Acad Sci Ann 144(1):34-48 REF
09 Aug 1967 500 N484
Cell wall, Peas, Plant cytology, Plant hormones, Plant pbysiology, Triiodobenzoic acid, 2,3,5-.

9189-69
OCCURRENCE OF PLANT GROWTH INHIBITORS IN TROPICAL AND SUBTROPICAL VEGETATION.
R W Bovey J D Diaz-Colon
Physiol Plant 22(2):253-259
04 Apr 1969 450 P564 (1)
Cucumbers, Guavas, Ilex vomitoria, Plant extracts, Plant growtb inhibitors, Prosopis, Sorgbum, Tropical plants.

9190-69
AUXIN CONTROL OF LEAF ABSCISSION. I. EXPERIMENTS WITH ERVATAMIA DIVARICATA BURKILL., VAR. FLORE-PLENO.
M A Choudhuri S K Chatterjee
Indian J Plant Physiol 10(1):62-72 REF
1967 450 IN23
Abscission, Plant growtb inbibitors, Plant pbysiology, Plant regulators.

9191-69
THE METABOLISM OF RADIOSTRONTIUM BY PLANTS. (ABSTRACT).
C R Creger W S Allen J R Couch
Fed Amer Soc Exp Biol Fed Proc 27(2):424
Mar 1968 442.9 F31P
Calcium, Cbemurgy, Plant metabolism, Plant translocation, Seeds, Sorgbum, Strontium isotopes.

9192-69
PYRETHIN II AND RELATED ESTERS OBTAINED BY RECONSTITUTION.
M Elliott N F Janes
Chem Indus 9:270-271 REF
01 Mar 1969 382 M31C
Cbemical structure, Cbromatograpby, Isomers, Pyretbrum.

9193-69
THE EFFECT OF SOIL FUMIGATION ON THE GROWTH OF SUGAR BEET.
D N Greet
Plant Pathol 16(3):111-116
Sep 1967 464.8 P692
Biocbemistry, Chloropicrin, Crop yields, Dicbloropropane dicbloropropene mixture, Longidorus attenuatus, Plant nematodes, Plant pbysiology, Soil fumigation, Sugar beets, Trichodorus.

9194-69
ROLE OF RNA METABOLISM IN THE ACTION OF AUXIN-HERBICIDES.
J B Hanson F W Slife
Residue Rev 25:59-68- REF
1969 389.9 R314
D, 2,4-, Herbicides, Plant metabolism, Plant pbysiology, Plant regulators, Ribonucleic acid.

9195-69
PROPARGYL 2-BROMODECANOATE. PATENT 3,427,333.
R L Holmes J P Moreau A F Novak
Us Patent Office Offic Gaz 859(2):598
11 Feb 1969 156.65 OF2
Bromodecanoic acid, 2-, Cbemical control (plant diseases), Esters, Molds, Patents, Plant growtb inhibitors, Propargyl 2-bromodecanoate, Propyn-1-ol, 2-.

9196-69
THE EFFECTS OF COMBINATIONS OF PREEMERGENCE HERBICIDES AND SYSTEMIC INSECTICIDES ON COTTON STANDS AND YIELDS.
H W Ivy T R Pfrimmer
Miss Agr Exp Sta Bull (765):6P
Jul 1968 100 M69
Aldicarb, Carbamates, Chemical control (pests), Cotton, Crop yields, Disulfoton, Diuron, Herbicides, Insecticides, Nitralin, Organopbosphorus compounds, Phorate, Plant biocbemistry, Plant pbysiology, Preemergence, Systemic insecticides, Trifluorometbylpbenyl)-1,1-dimethylurea, 3-(m-, Trifluralin.

9197-69
COMPARISON OF THE MOVEMENT AND VASCULAR DIFFERENTIATION EFFECTS OF THE ENDOGENOUS AUXIN AND OF PHENOXYACETIC WEEDKILLERS IN STEMS AND PETIOLES OF COLENS AND PHASEOLUS.
W P Jacobs
N Y Acad Sci Ann 144(1):102-117 REF
09 Aug 1967 500 N484
Beans, Coleus, Herbicides, Phenoxyacetic acid compounds, Plant bistology, Plant pbysiology, Plant regulators.

9198-69
YEAST SPORULATION AND RNA AS AFFECTED BY GIBBERELLIC ACID.
S Kamisaka Y Masuda N Yanagisbima
Plant Cell Physiol 8(1):121-127 REF
Mar 1967 450 P699
Extracts, Gibberellic acid, Plant physiology, Ribonucleic acid, Saccharomyces, Sporulation, Yeasts.

9199-69
SOME FEATURES OF THE PHYSIOLOGY OF DORMANCY IN BLACK CURRANT PLANTS IN CONNECTION WITH THE EFFECT OF GIBBERELLIN.
I A Karabanov
Fiziol Rast 15(6,NOV-DEC):988-992 REF
1968 450 F58
Biocbemistry, Carbobydrates, Currants, Fertilizers, Gibberellins, Lipids, Plant dormancy, Plant pbysiology, Spraying, Starcbes, Sugar. Summary in Englisb.

9200-69
ON THE MODE OF ACTION OF CARBAMATE HERBICIDES.
G W Keitt
Physiol Plant 20(4):1076-1082 REF
1967 450 P564 (1)
Carbamates, Herbicides, Plant pbysiology, Toxicology.
The bypotbesis of Mann et al. tbat carbamate berbicides act as anti-derepressor substances was tested in two systems: cell enlargement and proliferation in cultured tobacco pith, and auxin-induced Avena first intermode extension. IPC and CIPC botb severely inbibited kinetininduced cell proliferation in tobacco pitb. Auxin-induced tobacco cell enlargement was inbibited to tbe same degree. Avena internode extension was insensitive to tbese compounds at lesser concentrations.

9201-69
LIPID METABOLISM IN THE FRUIT OF PERSEA AMERICANA MILL. I. STUDIES ON THE CHEMICAL COMPOSITION OF LIPIDS AND THEIR CHANGES DURING FRUIT DEVELOPMENT AND STORAGE.
Y Kikuta
Hokkaido Univ Fac Agr J 55(PT 4):469-495 REF
May 1968 107.6 J273J
Avocados, Cbromatograpby, Fatty acids, Lipids, Plant biocbemistry, Plant metabolism, Plant pbysiology, Spectroscopy.

9202-69
ON THE PRIMARY STAGES OF ORTHOPHOSPHATE ABSORBTION BY MYCELIUM OF PENICILLIUM CHRYSOGENUM. (RUS)
I S Kulaev L A Okorokov
Biokhimiya 32(4):695-704 REF
1967 385 B523
Absorption, Cbromatograpby, Extraction, Fungi, Mycelium, Penicillium chrysozenum, Pbospbates, Radioactivity.

9203-69
CHEMICAL GROWTH RETARDANTS FOR BEDDING PLANTS.
R G Maire R M Sachs
Calif Agr 21(8):14
Aug 1967 100 C12CAG
Chemicals, Horticulture, Plant biochemistry, Plant physiology, Plant regulators, Succinic acid, 2,2-dimethylhydrazide, Zinnia elegans.

9204-69
OXIDATIVE ENZYMES OF CERATOCYSTIS FIMBRIATA ISOLATES DIFFERING IN HOST SPECIFICITY.
R B Meagher J E DeVay T Kusube
Physiol Plant 20(3):726-732 REF
1967 450 P564 (1)
Ceratocystis fimbriata, Enzymes, Fungus diseases (plants), Oxidation, Plant biochemistry.

9205-69
THE METABOLISM OF CARBON-14 SPECIFICALLY LABELLED GLUCOSE IN LEAVES SHOWING TOBACCO MOSAIC VIRUS INDUCED LOCAL NECROTIC LESIONS.
M J Merrett D W Sunderland
Physiol Plant 20(3):593-599 REF
1967 450 P564 (1)
Glucose, Leaves, Metabolism, Plant biochemistry, Radioactive tracers, Tobacco mosaic virus, Virus diseases (plants).

9206-69
FINE STRUCTURE OF HEALTHY AND TMV-INFECTED TOBACCO CELLS GROWN IN TISSUE CULTURE.
K Nakata A C Hildebrandt
Physiol Plant 20(4):999-1013 REF
1967 450 P564 (1)
Cells, Plant pbysiology, Tissue culture, Tobacco, Tobacco mosaic virus.

9207-69
EFFECT OF SUCROSE AND INDOLE-3-ACETIC ACID ON EXTENSION GROWTH OF WHEAT COLEOPTILE SEGMENTS.
K K Nanda P Kaur
Indian J Plant Physiol 10(1):1-10 REF
1967 450 IN23
Biological assay, Crop varieties, Indoleacetic acid, Plant physiology, Plant regulators, Seedlings, Sucrose, Triticum aestivum, Wbeat.

9208-69
PROGRESS IN THE KNOWLEDGE OF NATURAL PLANT GROWTH REGULATORS.
J P Nitsch
N Y Acad Sci Ann 144(1):279-294 REF
09 Aug 1967 500 N484
Histochemistry, Plant growth regulator, Plant hormones, Plant physiology.

9209-69
EFFECT OF SIMAZINE ON PHOTOSYNTHETIC PIGMENTS OF GREEN ALGAE.
I. N Paromenskaya G N Lyalin
Soviet Plant Physiol 15(6,NOV-DEC):842-846 REF
Dec 1968 450 F58AE
Algae, Chlorophylls, Photosynthesis, Pigments, Plant physiology, Simazine. Russian journal-Fiziologiya Rastenii, 15(6):1002-1007, Nov-Dec, 1968.

9210-69
TOXICITY OF TALL FESCUE TO RAPE AND BIRDFOOT TREFOIL SEEDS AND SEEDLINGS.
E J Peters
Crop Sci 8(6,NOV-DEC):650-653
1968 64.8 C883
Birdsfoot trefoil, Brassica nigra, Extracts, Festuca arundinacea, Nutrient solutions (plants), Plant growth inhibitors, Plant regulators, Rape, Seed germination, Seedlings, Seeds, Toxicity.

9211-69
GROWTH RESPONSE OF TURFGRASSES TO SEVERAL HERBICIDES.
J A Simmons R Huey
Weed Soc Amer Abstr 1966 MEETING:73
1966 241 W41
Chlordane, Grasses, Herbicides, Pesticides, Plant biochemistry, Plant physiology, Poa pratensis, Turf.

9212-69
EFFECT OF HERBICIDES ON THE VALUATIONS OF MADE TEA.
H Singh K N Sharma R Choudhury
Tocklai Exp Sta Newslett 15(2):72-74
Jun 1968 68.18 T93
Appraisal, Atrazine, Chemical control (weeds), Chlorinated hydrocarbons, Dalapon, Dichlorobenzonitrile, 2,6-, Dosage, Herbicides, Paraquat, Plant pest control, Propazine, Statistical analysis, Swep, Tables (data), Tea.

9213-69
2,3,6-TRICHLOROBENZOIC AND 2,6-DICHLOROBENZOIC ACID INTERFERENCE WITH PHOTOTROPIC AND GEOTROPIC RESPONSES OF SEEDLINGS.
L C Vander Beek
N Y Acad Sci Ann 144(1):379-382 REF
09 Aug 1967 500 N484
Dichlorobenzoic acid, 2,6-, Geotropism, Phototropism, Plant regulators, Plants, Seedlings, Trichlorobenzoic acid, 2,3,6-.

9214-69
PRODUCTION OF YEAST VARIANTS BY AUXIN AND EFFECTS OF PLANT GROWTH REGULATORS ON THESE VARIANTS.
N Yanagishima C Shimoda
Plant Cell Physiol 8(1):109-119 REF
Mar 1967 450 P699
D, 2,4-, Indoleacetic acid, Naphthaleneacetic acid, Plant genetics, Plant hormones, Plant mutation, Plant regulators, Yeasts.

9215-69
MODE-OF-ACTION OF PHOTOSYNTHESIS INHIBTOR HERBICIDES.
G Zucig
Residue Rev 25:69-79 REF
1969 389.9 R314
Chemical reactions, Herbicides, Inhibitors, Photosynthesis, Plant physiology.

CHEMISTRY

9216-69
GAS CHROMATOGRAPHIC DETERMINATION OF ETHYL O,O-DIMETHYLDITHIOPHOSPHORYL-L-PHENYL ACETATE IN TECHNICAL GRADE CIDIAL AND ITS 50 PERCENT LIQUID FORMULATION.
B Bazzi L Abbruzzese G Galluzzi
Ass Offic Anal Chem J 52(1):52-55
Jan 1969 381 AS7
Chemical analysis, Chromatography, Insecticides, Phenthoate, Toluene.

A gas chromatographic method has been developed for analysis of ethyl O,O-dimethyldithiophosphoryl-l-phenyl acetate. The insecticide or a convienient amount of an insecticidal preparation is dissolved in toluene, together with a suitable internal standard, and analyzed by gas chromatography, using a thermal conductivity detector. The precision (P0 0.05) of the method is plus or minus 1.5 per cent of the concentration found.

9217-69
REPORT ON CARBAMATE PESTICIDES.
W R Benson
Ass Offic Anal Chem J 52(2):266-269 REF
Mar 1969 381 AS7
Carbamates, Chemical analysis, Pesticide residues, Pesticides, Polarography.

9218-69
ANTIBACTERIAL COMPOSITION CONTAINING 5-NITRO-2-FURYL-1,2,4-TRIAZOLES. PATENT 3,427,387.
H A Burch
Us Patent Office Offic Gaz 859(2):608
11 Feb 1969 156.65 OF2
Bactericides, Chemicals, Patents, Pharmacology, Triazole compounds.

9219-69
REPORT ON CHLORINATED INSECTICIDES.
J A Burke
Ass Offic Anal Chem J 52(2):270-271
Mar 1969 381 AS7
Chemical analysis, Chlorinated hydrocarbons, Insecticides.

9220-69
REPORT ON PESTICIDE FORMULATIONS.
R L Caswell
Ass Offic Anal Chem J 52(2):220-221
Mar 1969 381 AS7
Chemical analysis, Formulations, Pesticide monitoring program, Pesticides.

9221-69
EXPERIMENTAL APPROACHES TO PESTICIDE PHOTODECOMPOSITION.
D G Crosby
Residue Rev 25:1-12 REF
1969 389.9 R314
Chemical structure, Degradation, Pesticides, Photochemistry, Radioactive tracers.

9222-69
RUBIDIUM SULFATE FLAME DETECTOR: EFFECT OF DESIGN OF ALKALI SOURCE AND ANODE ON SENSITIVITY AND STABILITY.
H K DeLoach D D Hemphill
Ass Offic Anal Chem J 52(3):533-541
May 1969 381 AS7
Chemical analysis, Flame ionization detector, Pesticides, Rubidium, Sulfates.

9223-69
ON A SPRAY REAGENT FOR THIN-LAYER CHROMATOGRAPHIC DETECTION OF A CHOLINESTERASE INHIBITING INSECTICIDE. (GE)
W Ehing
J Chromatography 42(1):140-144
03 Jun 1969 475 J824
Chemical analysis, Cholinesterases, Chromatography, Insecticides, Methodology.

9224-69
IUPAC COMMISSION ON THE DEVELOPMENT, IMPROVEMENT, AND STANDARDIZATION OF METHODS OF PESTICIDE RESIDUE ANALYSIS.
H Egan
Ass Offic Anal Chem J 52(2):306-309
Mar 1969 381 AS7
Chemical analysis, Chlorinated hydrocarbons, Chromatography, Dichlorvos, Fumigants, Fungicides, Pesticide residues, Spectroscopy.

9225-69
CHEMICAL INDUSTRY PRODUCES INSECTICIDES AS AID TO GROWERS IN MEETING DEMANDS OF CONSUMERS, DR. FERGUSON POINTS OUT.
G R Ferguson
Better Fruit 63(4):11,14,15
Feb 1969 80 B46
Chemicals, Chemistry, Industry, Insecticides.

9226-69
GAS CHROMATOGRAPHY OF 3,4-METHYLENEDIOXYPHENYL CARBAMATES.
L Fishbein W L Zielinski
J Chromatography 27(1):255-258 REF
Mar 1967 475 J824
Carbamates, Chemical analysis, Chromatography.

9227-69
MICROCOULOMETRIC GAS CHROMATOGRAPHY: IMPROVEMENTS IN INSTRUMENTATION.
L Giuffrida N F Ives
Ass Offic Anal Chem J 52(3):541-545
May 1969 381 AS7
Chlorine, Chromatography, Laboratory equipment, Sulfur.

9228-69
DETERMINATION OF ZINC PHOSPHIDE AND ITS STABILITY IN RODENT BAITS.
G O Guerrant J W Miles
Ass Offic Anal Chem J 52(3):662-666 REF
May 1969 381 AS7
Baits, Chemical analysis, Rodenticides, Zinc phosphide.

9229-69
FLUOROMETRIC DETERMINATION OF PESTICIDES.
G G Guilbault M H Sadar
Anal Chem 41(2):366-368
Feb 1969 381 J825A
Carbamates, Chlorinated hydrocarbons, Fluorometry, Pesticide analysis, Pesticides.

9230-69
THE FLUORESCENT PARTICLE SPRAY DROPLET TRACER METHOD.
C M Himel
J Econ Entomol 62(4):912-916
15 Aug 1969 421 J822
Aerial spraying, Dairy equipment, Fluorescent substances, Formulations, Insect preservation, Insects, Invertebrates, Labeling, Leaves, Particle size determination, Pesticide application, Spraying, Velocity.

9231-69
THE OPTINUM SIZE FOR INSECTICIDE SPRAY DROPLETS.
C M Himel
J Econ Entomol 62(4):919-925 REF
15 Aug 1969 421 J822
Aedes aegypti, Air pollution, Anthonomus grandis, Chemical control (insects), Chlorinated hydrocarbons, DDT, Ecology, Fluorescent substances, Heliothis zea, Insecticides, Methyl parathion, Organophosphorus compounds, Particle size determination, Soil contamination, Spraying, Velocity.

9232-69
LONG-CHAIN BISPHENOL ESTERS. PATENT 3,427,345.
R E Holmen
Us Patent Office Offic Gaz 859(2):601

11 Feb 1969 156.65 OF2
Bactericides, Chemicals, Esters, Fungicides, Patents, Phenols.

9233-69
REPORT ON MULTIPLE RESIDUE METHODS.
I. Y Johnson
Ass Offic Anal Chem J 52(2):275
Mar 1969 381 AS7
Chemical analysis, Chromatography, Methodology, Pesticide residues.

9234-69
DO ANTICOAGULANT CONCENTRATES CONTAIN EXCESSIVE AMOUNTS OF INERT INGREDIENTS .
R E Marsh
Pest Contr 37(6):28-30
Jun 1969 449.8 EX8
Baits, Formulations, Rodents, Warfarin.

9235-69
ACTIVATION AND INACTIVATION OF HERBICIDES BY HIGHER PLANTS.
S Matsunaka
Residue Rev 25:45-58 REF
1969 389.9 R314
Chemical activation, Chemical reactions, Herbicides, Photochemistry, Plant physiology, Propanil.

9236-69
REPORT ON PHOSPHATED PESTICIDES.
K A McCully
Ass Offic Anal Chem J 52(2):276-278 REF
Mar 1969 381 AS7
Chemical analysis, Chromatography, Pesticides, Phosphates.

9237-69
PHOTOCHEMICAL DEGRADATION PRODUCTS OF PENTACHLOROPHENOL.
K Munakata M Kuwahara
Residue Rev 25:13-24
1969 389.9 R314
Chemical structure, Degradation, Pentachlorophenol, Pesticides, Photochemistry.

9238-69
ON THE STRUCTURE OF THE GLYCEROL TEICHOIC ACID FROM THE CELL WALL OF ACTINOMYCES ANTIBIOTICUS-39. ZARETSKAJA, M S. (RUS)
I B Naumova Z A Shaharova
Biokhimiya 32(4):796-802 REF
1967 385 B523
Actinomyces, Biochemistry, Cell wall, Fungi, Hydrolysis, Polymers, Teichoic acid compounds. English summary.

9239-69
ANALYSIS OF A SINGLE CROP EXTRACT FOR SUBSTITUTED UREA HERBICIDES AND METABOLITES, CHLORINATED INSECTICIDES, AND AMITROLE.
J E Onley G Yip
Ass Offic Anal Chem J 52(3):526-532 REF
May 1969 381 AS7
Amitrole, Chemical analysis, Chlorinated hydrocarbons, Chromatography, Insecticides, Plant extracts, Urea herbicides.

9240-69
BRATTON-MARSHALL REAGENT FOR THE DETECTION OF SUBSTITUTED UREA HERBICIDES AND METABOLITES ON TLC PLATES.
J H Onley G Yip
Ass Offic Anal Chem J 52(3):545-547
May 1969 381 AS7
Chemical analysis, Chemicals, Chromatography, Pesticide residues, Urea herbicides.

9241-69
A NOTE ON PAPER DISK METHOD FOR LABORATORY FUNGICIDAL BIOASSAY.
M L Sahni B N Bagchi R P Gingh
Pesticides 1(10):28
Jun 1968 SB951.P43
Alternaria solani, Chemical control (pests), Fungicides, Macrophomina phaseoli.

9242-69
IT'S TOUGH TO PINPOINT RESIDUE CONTENT.
Can Chem Proc 53(6):89-93
Jun 1969 381 C16
Chromatography, Pesticide analysis, Pesticide residues, Spectrophotometry.

9243-69
REPORT ON FUNGICIDES, FUMIGANTS, AND MISCELLANEOUS.
R W Storherr
Ass Offic Anal Chem J 52(2):271
Mar 1969 381 AS7
Biphenyl, Captan, Chemical analysis, Fumigants, Fungicides.

9244-69
GAS CHROMATOGRAPHY OF ORGANOPHOSPHORUS PESTICIDES: RETENTION TIMES AND RESPONSE DATA ON THREE COLUMNS.
R R Watts R W Storherr
Ass Offic Anal Chem J 52(3):513-521
May 1969 381 AS7
Chemical analysis, Chromatography, Organophosphorus compounds, Pesticides.

9245-69
REPORT ON HERBICIDES AND PLANT GROWTH REGULATORS.
G Yip
Ass Offic Anal Chem J 52(2):272-274 REF
Mar 1969 381 AS7
Chemical analysis, Chromatography, Herbicides, Methodology, Plant growth regulator.

ENGINEERING

9246-69
AN EXPERIMENTAL PESTICIDE DUST-METERING UNIT.
W W Hare E A Harrell H D Bowen
J Econ Entomol 62(4):969-970
15 Aug 1969 421 J822
Dairy equipment, Dusting, Pesticides.

INDUSTRY

EDUCATION

9247-69
ELM RESEARCH INSTITUTE.
Anonymous
Weeds Trees Turf 8(5):14-17
May 1969 79.8 W413
Agricultural research, Dichaek (ulmus), Ulmus.

9248-69
GIVING CROPS FIELD-TO-TABLE PROTECTION.
H Tristram
Pesticides 1(10):19-21
Jun 1968 SB951.P43
Agricultural schools, Crops, Education, Grain, Storage diseases.

ABNORMALITIES
A case of partially reduplicated antenna in Minettia obscura (Loew) (Diptera: Lauxaniidae).
8867

Sequence in the abortive and teratogenic effects of locoweed fed to sheep.
9080

ABOMASUM
Experimental infections of calves with Trichostrongylus axei investigations using abomasal cannulae.
9108

ABORTION
Cause and prevention of epizootic bovine abortion.
9054

Mycotoxicosis associated with hemorrhagic enterocolitis and abortion in swine.
9062

Sequence in the abortive and teratogenic effects of locoweed fed to sheep.
9080

Relationship of viruses to reproductive problems.
9094

ABSCISSION
Auxin control of leaf abscission. I. Experiments with Ervatamia divaricata Burkill., var. flore-pleno.
9190

ABSORPTION
On the primary stages of orthophosphate absorbtion by mycelium of Penicillium chrysogenum.
9202

ACACIA
Variation in behavior among obligate acacia-ants from the same colony (Pseudomyrmex nigrocincta).
8709

ACARICIDES
Mortality, longevity, and fecundity of spider mites on cotton treated with systemic acaricides.
8692

Trithion-a new acaricide.
8814

A laboratory testing programme for assessing field performance of acaricides against Tetranychus urticae (Koch).
8857

ACARINA
Nasal Acarina of birds and mammals of Brazil. I. Rhinonyssidae of the Belem region (North Brazil).
8617

Ecology of Utah apple mites: A statement of the problem.
9011

Some ectoparasites from West Virginia mammals, II.
9128

ACCIDENT PREVENTION
Lannate - a new insecticide for the control of the giant looper and other pests.
8751

ACER SACCHARUM
Xiphinema americanum associated with maple decline in Massachusetts.
9029

ACERIA TULIPAE
Distribution of wheat streak mosaic virus-like particles in Aceria tulipae.
8876

ACETONITRILE
Acetonitrile extraction and determination of carbaryl in fruits and vegetables.
9158

ACETYLCHOLINESTERASES
Acetylcholinesterase polymorphism in the face fly (Diptera: Muscidae).
8786

ACHAEA JANATA
Description of immature stages of Noctuiscius treati Prasad (Acarina: Phytoseiidae).
8836

ACHETA DOMESTICUS
Discrimination between movements of eye and object by visual interneurones of crickets.
8826

Nitrogenous compounds in the haemolymph of the cricket. Acheta domesticus.
8894

ACRIDIDAE
Preliminary observations of alpine grasshoppers in a habitat modified by deer and chamois.
8706

Biology and phenology of the grasshopper Dociostaurus curvicercus in Israel.
8712

Histopathological data on amoebiasis in Acrididae.
8805

Oxygen consumption of the western horse lubber grasshopper.
8899

ACTINOMYCES
On the structure of the glycerol teichoic acid from the cell wall of Actinomyces antibioticus-39. zaretskaja, m s.
9238

ACTINOMYCIN D
The action of actinomycin D on the pigmentation of albino mutants of the locust Locusta migratoria cinerascens L. (Orthop.).
8756

ACTINOMYCOSIS
X-ray diffraction and infrared study of the sulphur granules of Actinomyces bovis.
9073

ACULUS SCHLECHTENDALI
Integrated chemical control of insects and biological control of mites on apple in Washington.
9010

ACYRTHOSIPHON SOLANI
Control of mites and aphids on and in bulbs.
8850

ADELGES PICEAE
Field identification and sex determination of Aphidecta obliterata, an introduced predator of Adelges piceae.
8903

ADHESIVES
Observations on bird tanglefoot traps as a direct method of apple maggot control.
9014

AEDES AEGYPTI
Free and peptide-bound amino acids during the larval and pupal stages of the yellow-fever mosquito, Aedes aegypti.
8729

Egg maturation in mosquitoes not regulated by the corpora allata.
8792

Effect of biotin on the fertility of the yellow fever mosquito, Aedes aegypti (L.).
8833

The group effect in the tests on insecticide resistance in Aedes aegypti.
8847

Organising an eradication programme for Aedes aegypti in the USA.
8922

The optimum size for insecticide spray droplets.
9231

AEDES CANADENSIS
Entomophthora aquatica sp. n. infecting larvae and pupae of floodwater mosquitoes.
8695

AEDES TAENIORHYNCHUS
A differential staining technique for a mosquito iridescent virus.
8807

AEDES VEXANS
Anomalous dimorphism in Aedes vexans.
8736

AEGERIIDAE
On the bionomics of the clearwing Chamaespheeia colpiformis (Staudinger, 1850) (Lepidoptera, Sesiidae).
8787

AERIAL SPRAYING
Aerial spray tests against gypsy moth. Porthetria dispar in New York.
9004

Some ecological observations and results of the control of Argyresthia fundella F. R.
9022

Aerial spraying of forests: Notes for landowners.
9034

The fluorescent particle spray droplet tracer method.
9230

AGING
Bioassay, preliminary purification, and effect of age, crowding, and mating on the release of sex pheromone by female Tenebrio molitor.
8765

Mating propensity, chromosomal polymorphism, and dependent conditions in drosophila persimilis. ii. factors between larvae and between adults.
8860

Humidity preference of the alfalfa weevil, Hypera postica, as affected by microenvironmental and physiological conditions.
8863

A temperature effect on nondisjunction of the X chromosomes among eggs from aged Drosophila females.
8912

AGRICULTURAL ECONOMICS
Insect vs men.
9013

AGRICULTURAL INDUSTRIES
Should Michigan forget about peaches .
8928

AGRICULTURAL PRODUCTS
Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. p-Chlorophenyl-2,4,5-trichlorophenyl sulfide.
9155

AGRICULTURAL RESEARCH
Elm research institute.
9247

AGRICULTURAL SCHOOLS
Giving crops field-to-table protection.
9248

AGRICULTURE
Agricultural microbiology.
8980

AGROMYZIDAE
A new technique to observe the activity of cambium miners.
8855

AGROPYRON REPENS
Agropyron repens and other perennial grasses as hosts of bromegrass mosaic virus from the U.S.S.R. and the United States.
8988

AIR POLLUTION
The optimum size for insecticide spray droplets.
9231

AIRCRAFT
Aerial spraying of forests: Notes for landowners.
9034

ALBIZIA JULIBRISSIN
Presence of two tree vascular diseases confirmed in Arkansas.
9000

ALDICARB
The effects of combinations of preemergence herbicides and systemic insecticides on cotton stands and yields.
9196

ALDRIN
Seed-corn maggot resistance to aldrin in Illinois.
8767

ALEUTIAN DISEASE
The pathogenesis of the glomerulopathy in Aleutian disease. (Abstract).
9077

Aleutian disease of mink: Infectious virus-antibody complexes in the serum.
9099

ALFALFA
Team alfalfa scores high.
8926

Effects of sloping land drainage on alfalfa crown rot.
8949

The disassociation and reassociation of the proteins of the RNA in the lucerne mosiac virus.
8968

The production of new types of symptoms by mixtures of different components of two strains of alfalfa mosaic virus.
8970

Balance cows' minerals to defeat milk fever.
9089

Residues of Thimet on green and on field-dried alfalfa.
9160

ALGAE
Effects of five herbicides on three green algae.
9048

Effect of simazine on photosynthetic pigments of green algae.
9209

ALKALINE PHOSPHATASE
Alkaline phosphatase in the digestive system of the desert locust, Schistocerca gregaria (Forskal).
8699

ALLETHRIN
Studies on chrysanthemic acid. Part XVIII. A new biologically active acid component related to chrysanthemic acid.
8806

Mode of action of DDT and allethrin on nerve: Cellular and molecular mechanisms.
9178

ALTERNARIA LONGIPES
Occurrence of brown spot on tobacco in Kentucky in 1966.
8989

ALTERNARIA SOLANI
A note on paper disk method for laboratory fungicidal bioassay.
9241

AMBLYOMMA AMERICANUM
Further evaluation of animal systemic insecticides, 1968.
9126

AMEBIASIS
Histopathological data on amoebiasis in Acrididae.
8805

AMINO ACIDS
Asynchronous ovarian development in the housefly, Musca domestica L. (diptera: Muscidae), caused by dietary gamma-aminobutyric acid (GABA).
8714

Cycloheximide, amino acid incorporation and learning in the isolated cockroach ganglion.
8720

Free and peptide-bound amino acids during the larval and pupal stages of the yellow-fever mosquito, Aedes aegypti.
8729

Effect of DDT on incorporation of C14-labeled glucose into protein and soluble intermediates of nymphal Triatoma infestans.
8743

Some effects of sublethal heat on spores of Nosema apis.
8890

Effect of TMV multiplication on RNA and protein synthesis in tobacco chloroplasts.
8956

The N-terminal amino acid of an avian leukosis group-specific antigen from avian myeloblastosis virus.
9057

The presence of diaminopimelic acid in the Rickettsiae.
9097

AMITROLE
Pesticide residues in foods in relation to human health.
9170

Analysis of a single crop extract for substituted urea herbicides and metabolites, chlorinated insecticides, and amitrole.
9239

AMITROLE-T
Effects of five herbicides on three green algae.
9048

AMPHIPYRINAE
Previously unpublished nocturnals of Madagascar. (Lep.).
8684

AMPHOROPHORA AGATHONICA
The occurrence and some properties of black raspberry latent virus.
8941

ANAPLASMA MARGINALE
The inhibitory effect of a dithiosemicarbazone on acute infections of Anaplasma marginale.
9134

ANAPLASMOSIS
Culicidae and Tabanidae as potential vectors of anaplasmosis in Mississippi.
9107

The inhibitory effect of a dithiosemicarbazone on acute infections of Anaplasma marginale.
9134

ANASTREPHA LUDENS
A Light mill for studies with the Mexican fruit fly.
8727

ANCYLOSTOMA CANINUM
Fine structure of the intestine of the nematodes, Ancylostoma caninum and Phocanema decipiens.
9130

ANDROSTAN-17BETA-OL COMPOUNDS
3-methylene-androstan-17beta-ols and 17-alkyl derivatives thereof. Patent 3,427,386.
9063

ANEMIA
The use of ferromyn (Ferrous succinate) in iron deficiency anemia.
9102

ANGIOSPERMAE
Biochemical aspects of parasitism by the angiosperm parasites: Host-parasite interrelationship in phosphatase activity.
9044

ANILINE
Weed control in cotton.
9046

ANIMAL ADAPTATION
Eelworms-a progress report on a few more groups found in North-East Indian tea soils.
9025

ANIMAL ANATOMY
Fine structure of the intestine of the nematodes, Ancylostoma caninum and Phocanema decipiens.
9130

ANIMAL BREEDING
Meadow vole used in hay research.
9052

ANIMAL DISEASE TRANSMISSION
Host-parasite relationships of Fasciola hepatica in the white mouse. III. Worm transfer.
9131

ANIMAL DISEASES
The inhibition of Listeria monocytogenes by an organism, resembling Bacillus mycoides, present in normal silage.
9079

Morphology, physiology, and serology of a Pasteurella species pathogenic for white perch (Roccus americanus).
9081

Cytology of equine nasal secretions.
9093

Infection experiments with the cotton rat filaria Litomosoides carinii in Mastomys natalensis (Smith, 1834).
9127

ANIMAL GENETICS
Studies of warfarin resistance in the rat. (Abstract).
9179

ANIMAL METABOLISM
Thin-layer chromatography of rat bile and urine following intravenous administration of pesticidal synergists.
9171

The metabolism of Bayer 9017 in calves.
9184

ANIMAL MORPHOLOGY
Eelworms-a progress report on a few more groups found in North-East Indian tea soils.
9025

ANIMAL NUTRITION
Serum enzyme and serum electrolyte values of lambs fed a magnesium-deficient ration.
9085

Polioencephalomalacia (cerebrocortical necrosis).
9090

Avian nephrosis associated with high dietary calcium. (Abstract).
9111

ANIMAL PHYSIOLOGY
The fine structure of Babesia ovis (Piroplasmidea) in Rhipicephalus bursa (Ixodoidea): Transformation of spherical forms to vermicules.
8754

The fine structure of Nosema sp. Sprague, 1965 (Microsporida, Nosematidae) with particular reference to stages in sporogony.
9118

Fine structure of the intestine of the nematodes, Ancylostoma caninum and Phocanema decipiens.
9130

Host-parasite relationships of Fasciola hepatica in the white mouse. III. Worm transfer.
9131

DDT residues and declining reproduction in Bermuda petrel.
9166

Mechanisms of pesticide interactions in vertebrates.
9177

Mode of action of DDT and allethrin on nerve: Cellular and molecular mechanisms.
9178

Pharmacologic action of pure venom fractions of Naja nigricollis and liberation of calcium in the striated muscles.
9181

ANIMAL TEMPERATURE
Variations in body temperature associated with reproductive state in the female rabbit.
9055

ANIMALS
3-methylene-androstan-17beta-ols and 17-alkyl derivatives thereof. Patent 3,427,386.
9063

Arsenic poisoning of cattle and other domestic animals.
9096

The use of ferromyn (Ferrous succinate) in iron deficiency anemia.
9102

ANISOPS
Haemoglobin of Anisops niveus (Notonectidae, Heteroptera).
8829

ANISOTA
Characters for determining sex of pupae of the oakworms Anisota senatoria, A. stigma, and A. virginiensis, and the yellow-necked caterpillar, Datana ministra.
8748

ANISOTA SENATORIA
Characters for determining sex of pupae of the oakworms Anisota senatoria, A. stigma, and A. virginiensis, and the yellow-necked caterpillar, Datana ministra.
8748

ANNUAL PLANTS
Alteration of plant growth habit as a means of controlling rhizomatous species.
9037

ANOBIUM PUNCTATUM
The distribution of the furniture beetle, Anobium punctatum (De Geer) (Coleoptera: Anobiidae), in New South Wales.
8632

ANOPHELES PULCHERRIMUS
The salivary gland chromosomes of Anopheles pulcherrimus Theobald.
8909

ANOPHELES STEPHENSI
The asexual cycle of a filarial (worm), Saurositus agamae bamoni n. ssp. (Eufilariinae) in Anopheles stephensi.
8701

Susceptibility of Anopheles (Myzomyia) stephensi to Plasmodium eathemerium.
8819

ANOPLURA
Some ectoparasites from West Virginia mammals, II.
9128

ANTENNAE
Sense organs on the antennal flagellum of a giant cockroach, Grompbadorbina portentosa, and a comparison with those of several other species (Dictyoptera, Blattaria).
8856

A case of partially reduplicated antenna in Minettia obscura (Loew) (Diptera: Lauxaniidae).
8867

ANTHOCORIDAE
On the bionomics of Lyctocoris beneficus (Hiura) and Xylocoris galactinus (Fieber) (Anthocoridae, Heteroptera).
9003

ANTHOMYIIDAE
Observations on the immature stages of Cordilura (Aebaetella) deceptiva and C. (A.) varipes.
8817

ANTHONOMUS GRANDIS
Marking adult boll weevils with dyes fed in a cottonseed oil bait.
8739

Life history of the boll weevil in field cages.
8772

Hydrocarbon metabolism in insects: Oxidation of hexadecane-1-C14 in the boll weevil and the house fly.
8777

The optimum size for insecticide spray droplets.
9231

ANTHRACNOSE
Effect of 2-deoxy-D-glucose on the respiration of tropical anthracnose fungi.
8952

ANTIBIOTICS
Ecological significance of antibiotics of some varieties of Bacillus thuringiensis.
8831

How beneficial are feed additives.
9059

Mycoplasma infections with emphasis on the control of M. gallisepticum.
9061

Survey uncovers promising antibiotic.
9069

Control of chronic respiratory disease by Spiramycin antibiotic therapy.
9103

ANTIBODIES
Tobacco etch virus cylindrical inclusions: antigenically unrelated to the causal virus.
8984

Neutralization of canine herpesvirus by dog and human serums: a survey.
9091

Aleutian disease of mink: Infectious virus-antibody complexes in the serum.
9099

Serological investigation into porcine Brucellosis.
9116

Vesicular stomatitis virus infections in Panamanian primates and other vertebrates.
9119

ANTIGENS
Tobacco etch virus cylindrical inclusions: antigenically unrelated to the causal virus.
8984

The N-terminal amino acid of an avian leukosis group-specific antigen from avian myeloblastosis virus.
9057

Proteins of vesicular stomatitis virus. I. Polyacrylamide gel analysis of viral antigens.
9083

Multiple antigenic components of the group-specific antigen of the avian leukosis-sarcoma viruses.
9109

ANTISPORULATION
The strategy of finding fungicides.
8959

Pentachlorobenzyl alcohol, a rice blast control agent.
8960

ANUS
The formation of tumorlike lesions in the cockroach Leucophaea maderae after anal blockage.
8880

AONIDIELLA AURANTII
Comparative production of pheromone by the California red scale reared on lemons and potatoes.
8841

APANTELES
Insect parasites in the natural control of species of rice stem borers on Luzon Island, Philippines.
9012

APHELENCHOIDES BESSEYI
A foliar disease of tuberose caused by Aphelenchoides besseyi.
9031

APHELENCHUS
Eelworms-a progress report on a few more groups found in North-East Indian tea soils.
9025

APHIDECTA OBLITERATA
Field identification and sex determination of Aphidecta obliterata, an introduced predator of Adelges piceae.
8903

APHIDIDAE
The subcoxa of the aphid hind leg (Homoptera: Aphididae).
8711

The natural control of the apple-grass aphid, Rhopalosiphum insertum, with remarks on the control of apple aphids in the Netherlands in general.
8752

Alate aphids trapped over 8 years at two sites in Canterbury, New Zealand.
8798

The incidence of parasitism and disease in some populations of the cabbage aphid,(Brevicoryne brassicae L.) in New Zealand.
8799

Spring dispersal of some leafhoppers and aphids.
8832

Migration of an anholocyclic strain of the spotted alfalfa aphid into Nebraska.
8848

Control of mites and aphids on and in bulbs.
8850

Problems of the month.
8932

Occurrence of virus particles in the phloem tissue of BYDV-infected barley.
8962

Transmission of strawberry mottle virus by juice and aphids to herbaceous hosts.
9007

Additional evidence of multiplication of the sowthistle yellow vein virus in an aphid vector-serial passage.
9024

APHIS POMI
Winter control of the European red mite, Panonychus ulmi, and certain fruit insects by M-2060 (2-fluoroethyl(4-biphenylyl)acetate) in Italy.
8691

APHYTIS PROCLIA
Factors affecting the sex ratio of Aphytis proclia Wlk. (Hymenoptera, Aphelinidae), external parasite on the San Jose scale.
8873

APICULTURE
The varied fare of the honeybee.
8811

APIS MELLIFERA
The varied fare of the honeybee.
8811

Some effects of subletbal heat on spores of Nosema apis.
8890

APOCATOPS
Two new Catopidae genera from Europe (analysis of the nigrita group in the genus Catops).
8690

APOIDEA
The generic placement of Allodape grisea Alfken (Hymenoptera: Apoidea).
8653

APPLES
Two species of apple-feeding gelechiids new to science (Lepidoptera).
8640

The development and larval behavior of Stigmella malella Stainton. (Lep. Stigmellidae).
8728

The natural control of the apple-grass aphid, Rhopalosiphum insertum, with remarks on the control of apple aphids in the Netherlands in general.
8752

Transmission of apple viruses by leaf tissue implantation.
8992

Dark green epinasty of Chenopodium quinoa, a syndrome induced by a virus latent in apple and pear.
8998

Characteristics of the stopped and scarred damages due to the coddling moth (Laspeyresia pomonella L.) with a method of interpretation of the various forms of damages observed on apples.
9002

Integrated chemical control of insects and biological control of mites on apple in Washington.
9010

Ecology of Utah apple mites: A statement of the problem.
9011

Observations on bird tanglefoot traps as a direct method of apple maggot control.
9014

The preservation of fruit.
9139

Experiments on the control of Gloeosporium fruit rots by field sprays. With an Addendum on: Harvest residues of dichlofluanid.
9140

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. p-Chlorophenyl-2,4,5-trichlorophenyl sulfide.
9155

APPRAISAL
Effect of herbicides on the valuations of made tea.
9212

AQUALIN
Creeping Charlie uses aqualin to kill aquatic weeds.
9186

AQUATIC INSECTS
The aquatic and semiaquatic Hemiptera in Oklahoma.
8667

Effect of substrate types on aquatic insect distribution.
8707

The adaptation to aquatic life of the larvae of Muansa elypealis (Homoptera, Cicadidae).
8717

The limnology of Playa Lakes on the Llano Estacado, New Mexico and Texas.
8872

Studies on effects of forest sprayings with insecticides, 1952-63, on fish and aquatic invertebrates in New Brunswick streams: Introduction and summary.
9144

AQUATIC PLANTS
The limnology of Playa Lakes on the Llano Estacado, New Mexico and Texas.
8872

AQUATIC WEEDS
Evaluation of Arzama densa as an aid in the control of water hyacinth in Louisiana.
9049

Creeping Charlie uses aqualin to kill aquatic weeds.
9186

ARADIDAE
The Aradidae of New Zealand (Hemiptera, Heteroptera). III. The Aradinae and Calisiinae.
8656

ARADUS AUSTRALIS
The Aradidae of New Zealand (Hemiptera, Heteroptera). III. The Aradinae and Calisiinae.
8656

ARCTIIDAE
Description of new Arctiidae from Madagascar. (lep.) (15th note).
8616

ARGYRESTHIA FUNDELLA
Some ecological observations and results of the control of Argyresthia fundella F. R.
9022

ARSENIC
Arsenic poisoning of cattle and other domestic animals.
9096

Pesticide residues in foods in relation to human health.
9170

ARSENIC TRIOXIDE
Arsenic poisoning of cattle and other domestic animals.
9096

ARTERIES
Postmortem pulmonary arteriography in canine dirofilariasis.
9132

ARTERIOGRAPHY
Postmortem pulmonary arteriography in canine dirofilariasis.
9132

ARZAMA DENSA
Evaluation of Arzama densa as an aid in the control of water hyacinth in Louisiana.
9049

ASCORBIC ACID
Ascorbic acid and unsaturated fatty acids in the nutrition of the Egyptian cotton leafworm, Prodenia litura.
8795

ASEXUAL REPRODUCTION
The asexual cycle of a filarial (worm), Saurositus agamae hamoni n. ssp. (Eufilariinae) in Anopheles stephensi.
8701

ASILIDAE
The Asilinae (Diptera, Asilidae) of Oklahoma.
8669

ASPARTIC ACID
Glutamic acid requirements of the saw-toothed grain beetle, Oryzaephilus surinamensis (L.) (Coleoptera, Silvanidae).
8741

ASPERGILLUS FLAVUS
Infection of cotton by Aspergillus flavus: Time of infection and the influence of fiber moisture.
8935

ASPIDIOTUS PERNICIOSUS
Winter control of the European red mite, Panonychus ulmi, and certain fruit insects by M-2060 (2-fluoroethyl(4-biphenylyl)acetate) in Italy.
8691

Factors affecting the sex ratio of Aphytis proclia Wlk. (Hymenoptera, Aphelinidae), external parasite on the San Jose scale.
8873

ASSAY
Invasion of plant tissue by bacteria under in vitro conditions.
8997

ASTRAGALUS
Sequence in the abortive and teratogenic effects of locoweed fed to sheep.
9080

ATRAZINE
Effect of herbicides on the valuations of made tea.
9212

ATTA
Trails of the leafcutters.
8812

ATTA TEXANA
Trails of the leafcutters.
8812

ATTRACTANTS
Feeding responses by Hylurgopinus rufipes to combined chemical and physical stimuli.
8715

Effect of male accessory material on oviposition and mating by female house flies.
8842

Brahman breeding as a factor affecting the attractiveness or repellency of cattle to the horn fly.
8886

Breath lures bloodsucking bugs.
8920

AUTOCLAVES
A new technique to observe the activity of cambium miners.
8855

AUTOPSIES
Postmortem pulmonary arteriography in canine dirofilariasis.
9132

AUTORADIOGRAPHY
Nucleic acid synthesis in nurse cells of Rhynchosciara angelae Nonato and Pavan, 1951.
8705

Mode of entry of contact insecticides.
8758

Biological activity of a phytotoxic glycopeptide produced by Corynebacterium sepedonicum.
9180

AVIAN LEUKOSIS COMPLEX
The N-terminal amino acid of an avian leukosis group-specific antigen from avian myeloblastosis virus.
9057

Multiple antigenic components of the group-specific antigen of the avian leukosis-sarcoma viruses.
9109

AVIAN MYELOBLASTOSIS
The N-terminal amino acid of an avian leukosis group-specific antigen from avian myeloblastosis virus.
9057

AVOCADOS
The leaf snout weevil of the avocado.
9018

Lipid metabolism in the fruit of Persea americana Mill. I. Studies on the chemical composition of lipids and their changes during fruit development and storage.
9201

AZAURIDINE, 6-
The development of resistance in Cladosporium cucumerinum against 6-azauracil, a chemotherapeutant of cucumber scab, and its relation to biosynthesis of RNA-PRECURSORS.
8944

AZINPHOSMETHYL
Effect of insecticides on ant and spider populations in Louisiana sugarcane fields.
9015

BABESIA CABALLI
Control of equine piroplasmosis in Florida.
9065

BABESIA OVIS
The fine structure of Babesia ovis (Piroplasmidea) in Rhipicephalus bursa (Ixodoidea): Transformation of spherical forms to vermicules.
8754

BABY PIGS
Serological investigation into porcine Brucellosis.
9116

BACILLUS
The inhibition of Listeria monocytogenes by an organism, resembling Bacillus mycoides, present in normal silage.
9079

BACILLUS POPILLIAE
Rate of oxygen uptake of healthy and diseased larvae of the Japanese beetle.
8895

BACILLUS THURINGIENSIS
Nerve-blocking effect of Bacillus thuringiensis protein toxin.
8734

Comparative toxicites of crystal serotypes of Bacillus thuringiensis for larvae of Philosamia cynthia var. ricini.
8830

Ecological significance of antibiotics of some varieties of Bacillus thuringiensis.
8831

BACTERIA
On the Schizophyta-like appearance of the flagella of termite symbionts.
8790

BACTERIAL DISEASES (ANIMALS)
The trend in the evolution of the poultry vaccines and the channels of administration.
9104

BACTERIAL DISEASES (PLANTS)
Control of mites and aphids on and in bulbs.
8850

Characterization of a strain of Xanthomonas vesicatoria (Doidge) isolated from a commercial field of greenpepper (Capsicum annuum L.) in Campinas, Sao Paulo.
8950

Ten years of observations on citrus canker.
8981

Invasion of plant tissue by bacteria under in vitro conditions.
8997

BACTERIAL SPOT (PEACHES)
The influence of nutrition on susceptibility of peach foilage to water congestion and infection by Xanthomonas pruni.
8972

BACTERIAL VACCINES
The trend in the evolution of the poultry vaccines and the channels of administration.
9104

BACTERIAL WILT
Banana diseases in the Pacific area.
8924

BACTERICIDES
Antibacterial composition containing 5-nitro-2-furyl-1,2,4-triazoles. Patent 3,427,387.
9218

Long-chain bisphenol esters. Patent 3,427,345.
9232

BACTERIOPHAGES
A role for phospholipid hydrolysis in the lysis of Escherichia coli infected with bacteriophage T4.
9068

BAITS
Marking adult boll weevils with dyes fed in a cottonseed oil bait.
8739

Control of thar (Hemitragus jemlahicus): Evaluation of a poisoning technique.
9051

Determination of zinc phosphide and its stability in rodent baits.
9228

Do anticoagulant concentrates contain excessive amounts of inert ingredients.
9234

BANANAS
Banana diseases in the Pacific area.
8924

BARBAREA VULGARIS
Role of winter cress, Barbarea vulgaris, as a temporal host in the seasonal development of the crucifer fauna.
9020

BARIS
The Baris lepidii group.
8625

BARLEY
Occurrence of virus particles in the phloem tissue of BYDV-infected barley.
8962

A technique for studying inhibition of the parasitic activity of Ophiobolus graminis (Sacc.) Sacc. in field soils.
8969

Effects of the fungus Erysiphe graminis f. sp. hordei Marchal on the transpiration of barley.
8979

BARNS
Intoxification of swine with noxious gases.
9095

Evaluation of techniques used in studies on efficacy of anticoccidial drugs in chickens.
9106

BEANS
Temperature response of seeds during the early phases of germination and its relation to injury by Rhizoctonia solani.
8983

A phosphatidase produced by Sclerotium rolfsii.
8995

Comparison of the movement and vascular differentiation effects of the endogenous auxin and of phenoxyacetic weedkillers in stems and petioles of Colens and Phaseolus.
9197

BEAUVERIA BASSIANA
Experiments with Beauveria bassiana (Bals) Vuill. against Blastophagus piniperda L. (Col., Scolytidae).
8822

Respiration of blastospores of the fungus Beauveria bassiana during submersed cultivation in the presence of certain sugars.
8846

BEETS
Investigations on the migratory root nematode Pratylenchus neglectus on fodder grasses.
9033

BELLADONNA
Behavior of belladonna mottle virus in serological tests in the presence of organic mercury compounds.
8966

BENEFICIAL INSECTS
On the bionomics of Lyctocoris beneficus (Hiura) and Xylocoris galactinus (Fieber) (Anthocoridae, Heteroptera).
9003

Effect of insecticides on ant and spider populations in Louisiana sugarcane fields.
9015

Evaluation of Arzama densa as an aid in the control of water hyacinth in Louisiana.
9049

BENZENE HEXACHLORIDE
Chlorinated insecticides in the body fat of people in the United States.
9149

Residue analysis in the dairy industry. in Zwig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. 1. principles, methods, and general application.
9157

BENZIMIDAZOLE COMPOUNDS
Esters of benzimidazolecarbamic acid as mite ovicides. Patent 3,427,388.
8851

BETEL NUTS
Utility of arecanut husk in horticulture..
8927

BIBLIOGRAPHY
Catalog of Neuroptera of Argentina and Uruguay.
8677

BILE
Thin-layer chromatography of rat bile and urine following intravenous administration of pesticidal synergists.
9171

BIOCHEMISTRY
Nucleic acid in intact nuclear polyhedral bodies isolated from virus-infected fall armyworm, Spodoptera frugiperda.
8745

Pathogenicity of a nuclear-polyhedrosis virus of the beet armyworm, Spodoptera exigua.
8774

Respiration of blastospores of the fungus Beauveria bassiana during submersed cultivation in the presence of certain sugars.
8846

Some effects of sublethal heat on spores of Nosema apis.
8890

Effect of 2-deoxy-D-glucose on the respiration of tropical anthracnose fungi.
8952

The disassociation and reassociation of the proteins of the RNA in the lucerne mosiac virus.
8968

Study of the thermosensitive mutants of the vesicular stomatitis virus. Evidence from a complement test.
9071

X-ray diffraction and infrared study of the sulphur granules of Actinomyces bovis.
9073

Avian nephrosis associated with high dietary calcium. (Abstract).
9111

Radiotracer studies on metabolism, degradation, and mode of action of insecticide chemicals.
9169

The effect of soil fumigation on the growth of sugar beet.
9193

Some features of the physiology of dormancy in black currant plants in connection with the effect of gibberellin.
9199

On the structure of the glycerol teichoic acid from the cell wall of Actinomyces antibioticus-39. zaretskaja, m s.
9238

BIOLOGICAL ASSAY
The nucleopolyhedrosis virus of Heliothis: Quantitative in vivo estimates of virulence.
8694

Bioassay, preliminary purification, and effect of age, crowding, and mating on the release of sex pheromone by female Tenebrio molitor.
8765

Pathogenicity of a nuclear-polyhedrosis virus of the beet armyworm, Spodoptera exigua.
8774

Comparative production of pheromone by the California red scale reared on lemons and potatoes.
8841

The strategy of finding fungicides.
8959

On the fungicidal action of phenylmercuric compounds.
8961

Fungicidal action of organophosphorus compounds.
8963

Survey uncovers promising antibiotic.
9069

The presence of diaminopimelic acid in the Rickettsiae.
9097

Report on analytical entomology of food and drugs.
9141

Effect of sucrose and indole-3-acetic acid on extension growth of wheat coleoptile segments.
9207

BIOLOGICAL CONTROL
Differentiation of parasitized and unparasitized pupae of the melon fly and Oriental and Mediterranean fruit flies.
8816

BIOLOGICAL CONTROL (INSECTS)
Entomophthora aquatica sp. n. infecting larvae and pupae of floodwater mosquitoes.
8695

Predators pitted against cereal leaf beetle.
8696

Screwworm fly upsurge.
8698

A new record for a parasite of the alfalfa weevil in Eastern United States, Eriplanus micator (Gravenhorst) (Hymenoptera: Ichneumonidae).
8716

The natural control of the apple-grass aphid, Rhopalosiphum insertum, with remarks on the control of apple aphids in the Netherlands in general.
8752

The action of Tepa on the adults of Dacus oleae Gmel. (Diptera: Tephritidae) as a function of the quantity of the chemosterilant used.
8757

Laboratory rearing of Spalangia nigroaenea (Hymenoptera: Pteromalidae).
8770

Experiments with Beauveria bassiana (Bals) Vuill. against Blastophagus piniperda L. (Col., Scolytidae).
8822

The infestation of timber by bark beetles (Col., Scolytidae) and their enemies in different zones of the Finnish southwestern archipelago.
8823

Comparative toxicites of crystal serotypes of Bacillus thuringiensis for larvae of Philosamia cynthia var. ricini.
8830

Preliminary studies of the release in 1965 on the island of Chalki, of Opius concolor Szepl. (Hymen, Braconidae) a parasite of Dacus oleae Gmel. (Dipt. Trypetidae).
8864

On the bionomics of Lyctocoris beneficus (Hiura) and Xylocoris galactinus (Fieber) (Anthocoridae, Heteroptera).
9003

Integrated chemical control of insects and biological control of mites on apple in Washington.
9010

Some ecological observations and results of the control of Argyresthia fundella F. R.
9022

BIOLOGICAL CONTROL (WEEDS)
Evaluation of Arzama densa as an aid in the control of water hyacinth in Louisiana.
9049

BIOLOGY
The fine structure of Babesia ovis (Piroplasmidea) in Rhipicephalus bursa (Ixodoidea): Transformation of spherical forms to vermicules.
8754

Fine structure of the intestine of the nematodes, Ancylostoma caninum and Phocanema decipiens.
9130

BIOSYNTHESIS
The development of resistance in Cladosporium cucumerinum against 6-azauracil, a chemotherapeutant of cucumber scab, and its relation to biosynthesis of RNA-PRECURSORS.
8944

BIOTIN
Effect of biotin on the fertility of the yellow fever mosquito, Aedes aegypti (L.).
8833

BIPHENYL
Report on fungicides, fumigants, and miscellaneous.
9243

BIRDS
Nasal Acarina of birds and mammals of Brazil. I. Rhinonyssidae of the Belem region (North Brazil).
8617

A review of the genus Eidmanniella (Mallophaga: Menoponidae) from the Peleeaniformes.
8666

Mallophaga from birds of the Oriental Region. Part IX. Sturnidoecus philippensis, n. sp. (Ischnocera: Philopteridae).
8680

A new species of the genus Pegosomum Ratz, 1903 (Trematoda: Echinostomatidae).
8747

Susceptibility of Anopheles (Myzomyia) stephensi to Plasmodium cathemerium.
8819

House sparrows and a field infestation of tobacco hornworm larvae.
9023

The N-terminal amino acid of an avian leukosis group-specific antigen from avian myelohlastosis virus.
9057

DDT residues in a East Coast estuary, a case of biological concentration of a persistent insecticide.
9145

Response of robins to DDT and methoxychlor.
9152

DDT residues and declining reproduction in Bermuda petrel.
9166

BIRDSFOOT TREFOIL
Toxicity of tall fescue to rape and birdfoot trefoil seeds and seedlings.
9210

BITUMENS
Wound dressings for the prevention of silver-leaf in fruittrees caused by Stereum purpureum (Pers.) Fr.
8946

BLABERUS DISCOIDALIS
Sexual characters of the instars of Blaberus discoidalis and an analysis of growth in this cockroach.
8802

BLACK SHANK (TOBACCO)
Calcium nutrition and black shank of tobacco.
8999

BLAST
Pentachlorobenzyl alcohol, a rice blast control agent.
8960

BLASTOPHAGUS PINIPERDA
Experiments with Beauveria bassiana (Bals) Vuill. against Blastophagus piniperda L. (Col., Scolytidae).
8822

The infestation of timber by bark beetles (Col., Scolytidae) and their enemies in different zones of the Finnish southwestern archipelago.
8823

BLATTELLA GERMANICA
Resistance to Telodrin in the German cockroach, Blattella germanica.
8731

BLATTIDAE
Neolaxta monteithi gen. sp. n. from eastern Australia (Blattodea: Blaberidae).
8649

Polyphagidae (Blattodea) from eastern Australia.
8650

Cycloheximide, amino acid incorporation and learning in the isolated cockroach ganglion.
8720

Living doors.
8735

Cockroach control in Chicago's Lincoln park zoo.
8839

Sense organs on the antennal flagellum of a giant cockroach, Gromphadorhina portentosa, and a comparison with those of several other species (Dictyoptera, Blattaria).
8856

The adult cervicothoracic musculature of the cockroach, Nauphoeta cinerea (Olivier).
8871

BLIGHT
Factors affecting severity of seedling blight of corn in the United Arab Republic.
8976

Fungi causing seedling blight of corn in the United Arab Republic.
8977

BLINDNESS
The Simulium control scheme at Abuja, Northern Nigeria, and its effect on the prevalence of onchocerciasis in the area.
8919

BLOOD
Neutralization of canine herpesvirus by dog and human serums: a survey.
9091

Infection experiments with the cotton rat filaria Litomosoides carinii in Mastomys natalensis (Smith, 1834).
9127

Hematopoiesis and epiphyseal growth zones in rabbits with molybdenosis.
9183

BLOOD CELLS
Red blood cell count in relation to reproductive phases in the female rabbit.
9056

BLOOD PLASMA
Acute cutaneous toxicity of certain organophosphorous insecticides. I. Lebaycid.
9172

Studies of warfarin resistance in the rat. (Abstract).
9179

BLOOD PROTEINS
The effects of perfusion on the synthesis and release of blood proteins by diapausing pupae of the Cecropia silkworm.
8828

BLOOD VESSELS
The effect of vitamin A depletion on the vasa deferentia of young bulls.
9075

BLUEBERRIES
Further studies on the Tarsonemidae, II (Acarina).
8672

BLUETONGUE VIRUS
Relationship of viruses to reproductive problems.
9094

BOMBYLIIDAE
New Exoprosopinae from Mexico and Central America (Diptera: Bombyliidae).
8655

The existence of two optional diapauses in the biological cycle of Villa brunnea Beck. (Dipt., Bombyliidae).
8746

BOMBYX MORI
Sexual difference in the activity of pars intercerebralis-corpus cardiacum-corpus allatum system of Bombyx mori.
8755

Immunofluorescence studies on the multiplication of cytoplasmic-polyhedrosis virus of the silkworm, Bombyx mori.
8781

A red, fluorescent protein from silkworm.
8813

Isolation of fumaric acid from silkworm pupas as a causative agent to release reducing sugars in embryoless rice endosperms.
8878

BONEMEAL
A common source epizootic of bovine salmonellosis in Manitoba.
9120

BOOPHILUS MICROPLUS
The production of cuticle wax by engorged females of the cattle tick, Boophilus microplus (Canestrini).
8730

BRACON
Chemosterilant studies on Bracon sperm. II. Studies of selected compounds for induction of dominant lethal mutations or sperm inactivation.
8914

BRACON HEBETOR
Mosaicism in Habrobracon juglandis associated with the ebony locus.
8910

BRACONIDAE
Microctonus glyptoscelі n. sp., a parasite of Glyptoscelis pubescens (F.) in Wisconsin (Hymenoptera: Braconidae: Euphorinae and Coleoptera: Chrysomelidae).
8648

Preliminary studies of the release in 1965 on the island of Chalki, of Opius concolor Szepl. (Hymen, Braconidae) a parasite of Dacus oleae Gmel. (Dipt. Trypetidae).
8864

BRAIN
Sexual difference in the activity of pars intercerebralis-corpus cardiacum-corpus allatum system of Bombyx mori.
8755

Morphology of the larval and adult brains of the monarch butterfly, Danaus plexippus plexippus, L.
8821

BRASSICA NIGRA
Toxicity of tall fescue to rape and birdfoot trefoil seeds and seedlings.
9210

BRASSICAE
Experiments on the control of root pests of Brassicae.
9021

BREEDING
The infestation of timber by bark beetles (Col., Scolytidae) and their enemies in different zones of the Finnish southwestern archipelago.
8823

Brahman breeding as a factor affecting the attractiveness or repellency of cattle to the horn fly.
8886

BRENTIDAE
Brentidae of Paraguay (Coleoptera).
8634

BREVICORYNE BRASSICAE
The incidence of parasitism and disease in some populations of the cabbage aphid,(Brevicoryne brassicae L.) in New Zealand.
8799

BROMODECANOIC ACID, 2-
Propargyl 2-bromodecanoate. Patent 3,427,333.
9195

BROMOPHOS
Experiments on the control of root pests of Brassicae.
9021

BROMOXYNIL
The influence of environment on the phytotoxicity of dicamba, picloram, bromoxynil and 2,4-D ester.
9041

BROWN SPOT
Occurrence of brown spot on tobacco in Kentucky in 1966.
8989

BROWN STEM ROT (SOYBEANS)
Sporulation of Cephalosporium gregatum on naturally infested soybean straw.
8967

BRUCELLA SUIS
Serological investigation into porcine Brucellosis.
9116

BRUCELLOSIS
Serological investigation into porcine Brucellosis.
9116

BRUCHIDAE
Observations on the genital structures in several genera of Bruchidae (Coleoptera).
8681

BULBS
Control of mites and aphids on and in bulbs.
8850

BULLS
The effect of vitamin A depletion on the vasa deferentia of young bulls.
9075

BUNCHY TOP
Banana diseases in the Pacific area.
8924

BUSSEOLA FUSCA
Insecticide studies of the maize stalk borer, Busseola fusca (Fuller), in East Africa.
8893

BUTOXYETHOXY)ETHANOL, 2-(2-
Thin-layer chromatography of rat bile and urine following intravenous administration of pesticidal synergists.
9171

BUTYL-4,6-DINITROPHENYL ISOPROPYL CARBONATE, 2-SEC
A laboratory testing programme for assessing field performance of acaricides against Tetranychus urticae (Koch).
8857

BY-PRODUCTS
Utility of arecanut husk in horticulture. .
8927

CABBAGE
The incidence of parasitism and disease in some populations of the cabbage aphid,(Brevicoryne brassicae L.) in New Zealand.
8799

Experiments on the control of root pests of Brassicae.
9021

CACAO
A leaf disorder of cacao in Costa Rica.
8982

CALCIUM
Calcium nutrition and black shank of tobacco.
8999

Studies on the biosynthesis and degradation of phosphatidylheta-methylcholine by housefly larvae. (Abstract).
9060

Avian nephrosis associated with high dietary calcium. (Abstract).
9111

The utilization of the calcium sensitivity test in the investigation of the rennet activity.
9138

Pharmacologic action of pure venom fractions of Naja nigricollis and liberation of calcium in the striated muscles.
9181

The metabolism of radiostrontium by plants. (Abstract).
9191

CALISIUS ZEALANDICUS
The Aradidae of New Zealand (Hemiptera, Heteroptera). III. The Aradinae and Calisiinae.
8656

CALLIPHORA VICINA
Study of the corpus allatum in living larvae of the blow fly Calliphora erythrocephala MG. (Diptera, Calliphoridae).
8877

CALLIPHORIDAE
Study of the corpus allatum in living larvae of the blow fly Calliphora erythrocephala MG. (Diptera, Calliphoridae).
8877

CALLOSOBRUCHUS CHINENSIS
Physico-chemical studies on the absorption of pesticides by the insect cuticle and penetration to the insect body.
8874

CALONECTRIA FLORIDANA
Calonectria floridana sp. nov., the perfect stage of Cylindrocladium floridanum.
8990

CALVES
Experimental infections of calves with Trichostrongylus axei investigations using abomasal cannulae.
9108

The inhibitory effect of a dithiosemicarbazone on acute infections of Anaplasma marginale.
9134

The metabolism of Bayer 9017 in calves.
9184

CAMPONOTUS
Living doors.
8735

CANCER
Bovine horn cancer: therapeutic experiments with autogenous vaccine.
9098

CANINE HERPESVIRUS
Neutralization of canine herpesvirus by dog and human serums: a survey.
9091

CANKER (CITRUS)
Ten years of observations on citrus canker.
8981

CANKER (PEACHES)
Factors involved in the development of peach seedling cankers induced by chilling.
8943

CANNING
The preservation of fruit.
9139

CAPTAN
Factors affecting severity of seedling blight of corn in the United Arab Republic.
8976

Experiments on the control of Gloeosporium fruit rots by field sprays. With an Addendum on: Harvest residues of dichlofluanid.
9140

Report on fungicides, fumigants, and miscellaneous.
9243

CARABIDAE
Phytophagous ground beetles.
8776

CARBAMATES
Further evaluation of animal systemic insecticides, 1968.
9126

Residue analysis in the dairy industry. in Zwig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. 1. principles, methods, and general application.
9157

Mortality of the earthworm Lumbricus terrestris L. following soil applications of insecticides to a tobacco field.
9175

The effects of combinations of preemergence herbicides and systemic insecticides on cotton stands and yields.
9196

On the mode of action of carbamate herbicides.
9200

Report on carbamate pesticides.
9217

Gas chromatography of 3,4-methylenedioxyphenyl carbamates.
9226

Fluorometric determination of pesticides.
9229

CARBARYL
Aerial spray tests against gypsy moth. Porthetria dispar in New York.
9004

Acetonitrile extraction and determination of carbaryl in fruits and vegetables.
9158

CARBOFURAN
Seed-corn maggot resistance to aldrin in Illinois.
8767

Mortality of the earthworm Lumbricus terrestris L. following soil applications of insecticides to a tobacco field.
9175

CARBOHYDRATES
Cytochemical studies on a coccidian, Chagasella ganapatii from a termite, Odontotermes obesus (Rambur).
8724

Effect of 2-deoxy-D-glucose on the respiration of tropical anthracnose fungi.
8952

Some features of the physiology of dormancy in black currant plants in connection with the effect of gibberellin.
9199

CARBON DISULFIDE
Control of mites and aphids on and in bulbs.
8850

Modification of the carbon disulfide evolution method for dithiocarbamate residues.
9154

CARBON ISOTOPES
Effect of DDT on incorporation of C14-labeled glucose into protein and soluble intermediates of nymphal Triatoma infestans.
8743

CARBOPHENOTHION
Trithion-a new acaricide.
8814

A laboratory testing programme for assessing field performance of acaricides against Tetranychus urticae (Koch).
8857

CARCINOGENS
Pesticide residues in foods in relation to human health.
9170

CAREX
Observations on the immature stages of Cordilura (Achaetella) deceptiva and C. (A.) varipes.
8817

CARPHURIDAE
Carphurinae or Carphuridae 43. Contribution to the knowledge of the Malachiidae.
8628

CARPOCAPSA
Problems of the month.
8932

CASEIN
The utilization of the calcium sensitivity test in the investigation of the rennet activity.
9138

CATALOGS
Catalog of Neuroptera of Argentina and Uruguay.
8677

CATERPILLARS
Etiella zinckenella Treit-a pod borer pest of Crotalaria anagyroides H.B.K.
8778

CATOPS
Two new Catopidae genera from Europe (analysis of the nigrita group in the genus Catops).
8690

CATS
Pharmacologic action of pure venom fractions of Naja nigricollis and liberation of calcium in the striated muscles.
9181

CATTLE
Screwworm fly upsurge.
8698

Brahman breeding as a factor affecting the attractiveness or repellency of cattle to the horn fly.
8886

Cause and prevention of epizootic bovine abortion.
9054

How beneficial are feed additives .
9059

Effect of food intake on growth and survival of salmonellas and Escherichia coli in the bovine rumen.
9064

Balance cows' minerals to defeat milk fever.
9089

Polioencephalomalacia (cerebrocortical necrosis).
9090

Relationship of viruses to reproductive problems.
9094

Arsenic poisoning of cattle and other domestic animals.
9096

Bovine horn cancer: therapeutic experiments with autogenous vaccine.
9098

Culicidae and Tabanidae as potential vectors of anaplasmosis in Mississippi.
9107

A serological comparison of seven strains of bovine herpes mammillitis virus.
9110

Cutaneous streptothricosis in a bull.
9113

A common source epizootic of bovine salmonellosis in Manitoba.
9120

Further evaluation of animal systemic insecticides, 1968.
9126

The inhibitory effect of a dithiosemicarbazone on acute infections of Anaplasma marginale.
9134

Charcoal diet for cattle.
9146

Notice of filing of petition regarding pesticide chemicals.
9151

Respiratory exposure of dairy animals to pesticides.
9165

CAVE FAUNA
Philonthus parcus Sharp (Coleoptera: Staphylinidae), a Japanese rove beetle established in Australian caves.
8654

The arthropod cave fauna of the Carlsbad Caverns region. New Mexico.
8704

CELL NUCLEUS
Cytopathology of a nucleopolyhedrosis of the beet armyworm, Spodoptera exigua.
8773

Mosaicism in Habrobracon juglandis associated with the ebony locus.
8910

CELL WALL
Cell-wall deposition and the distribution of cytoplasmic elements after treatment of pea internodes with the auxin analog 2,3,5-triiodobenzoic acid.
9188

On the structure of the glycerol teichoic acid from the cell wall of Actinomyces antibioticus-39. zaretskaja, m s.
9238

CELLS
Cytopathology of a nucleopolyhedrosis of the beet armyworm, Spodoptera exigua.
8773

Iridescent virus from blackfly Simulium ornatum Meigen in Czechoslovakia.
8896

The occurrence of inclusion bodies in leaf epidermis cells of sandal affected with spike disease.
8945

Pattern of cell death in sorghum stalk tissue as a measure of the susceptibility to spread of Colletotrichum graminicola in fifty-five sorghum varieties.
8965

Fine structure of healthy and TMV-INFECTED tobacco cells grown in tissue culture.
9206

CENTRIFUGATION
Purification and some properties of Chilo iridescent virus.
8883

Effect of TMV multiplication on RNA and protein synthesis in tobacco chloroplasts.
8956

The production of new types of symptoms by mixtures of different components of two strains of alfalfa mosaic virus.
8970

Partial reconstitution of tobacco mosaic virus.
8993

CEPHALOSPORIUM
The downy mildew and stalk rot diseases of maize.
8987

CEPHALOSPORIUM DIOSPYRI
Presence of two tree vascular diseases confirmed in Arkansas.
9000

CEPHALOSPORIUM GREGATUM
Sporulation of Cephalosporium gregatum on naturally infested soybean straw.
8967

CERATITIS CAPITATA
Differentiation of parasitized and unparasitized pupae of the melon fly and Oriental and Mediterranean fruit flies.
8816

Low-cost larval rearing medium for mass production of Oriental and Mediterranean fruit flies.
8879

CERATOCYSTIS FIMBRIATA
Oxidative enzymes of Ceratocystis fimbriata isolates differing in host specificity.
9204

CERCOSPORA
Banana diseases in the Pacific area.
8924

CERCOSPORA BETICOLA
The therapeutic effect of Thiabendazole, 2-(4-thiazolyl) benzimidazole, against Cercospora leaf spot on sugar beets when applied as a soil drench.
8991

CEUTORHYNCHUS PLEUROSTIGMA
Experiments on the control of root pests of Brassicae.
9021

CHAETOSIPHON JACOBI
Transmission of strawberry mottle virus by juice and aphids to herbaceous hosts.
9007

CHAGASELLA GANAPATII
Cytochemical studies on a coccidian, Chagasella ganapatii from a termite, Odontotermes obesus (Rambur).
8724

CHARCOAL
Charcoal diet for cattle.
9146

Charcoal column cleanup method for many organophosphorus pesticide residues in crop extracts.
9163

CHEESE
Distribution and stability of DDE, DDD, and DDT in Monterey and cheddar cheese during manufacture and storage.
9137

CHEMICAL ACTIVATION
Activation and inactivation of herbicides by higher plants.
9235

CHEMICAL ANALYSIS
Proteins of vesicular stomatitis virus. I. Polyacrylamide gel analysis of viral antigens.
9083

The presence of diaminopimelic acid in the Rickettsiae.
9097

Structural proteins of vesicular stomatitis viruses.
9123

Report on analytical entomology of food and drugs.
9141

The gas chromatographic examination of organophosphorus pesticides. IV. The effect of cooking on organophosphorus pesticide residues.
9147

Recovery of 65 organophosphorus pesticides from Florisil with a new solvent elution system.
9148

Studies on the effect of sulfuric-fuming nitric acid treatment on the analytical characteristics of toxaphene.
9153

Modification of the carbon disulfide evolution method for dithiocarbamate residues.
9154

Alkaline pre-column for use in gas chromatographic pesticide residue analysis.
9156

Acetonitrile extraction and determination of carbaryl in fruits and vegetables.
9158

Indoxyl acetate spray reagent for fluorogenic detection of cholinesterase inhibitors in environmental samples.
9159

Improved gas chromatographic systems for determining organochlorine pesticide residues in wildlife.
9161

Gas chromatographic determination of residues of dimethoate and its oxygen analog in field-sprayed kale.
9162

Charcoal column cleanup method for many organophosphorus pesticide residues in crop extracts.
9163

Comparison of four extraction and cleanup procedures for chlorinated pesticide residues in eggs.
9164

Gas chromatographic determination of ethyl O,O-dimethyl-dithiophosphoryl-l-phenyl acetate in technical grade eidial and its 50 percent liquid formulation.
9216

Report on carbamate pesticides.
9217

Report on chlorinated insecticides.
9219

Report on pesticide formulations.
9220

Rubidium sulfate flame detector: Effect of design of alkali source and anode on sensitivity and stability.
9222

On a spray reagent for thin-layer chromatographic detection of a cholinesterase inhibiting insecticide.
9223

IUPAC commission on the development, improvement, and standardization of methods of pesticide residue analysis.
9224

Gas chromatography of 3,4-methylenedioxyphenyl carbamates.
9226

Determination of zinc phosphide and its stability in rodent baits.
9228

Report on multiple residue methods.
9233

Report on phosphated pesticides.
9236

Analysis of a single crop extract for substituted urea herbicides and metabolites, chlorinated insecticides, and amitrole.
9239

Bratton-Marshall reagent for the detection of substituted urea herbicides and metabolites on TLC plates.
9240

Report on fungicides, fumigants, and miscellaneous.
9243

Gas chromatography of organophosphorus pesticides: Retention times and response data on three columns.
9244

Report on herbicides and plant growth regulators.
9245

CHEMICAL CONTROL (INSECTS)
Winter control of the European red mite, Panonychus ulmi, and certain fruit insects by M-2060 (2-fluoroethyl(4-biphenylyl)acetate) in Italy.
8691

An appraisal of high, medium and low volume methods of spray application.
8722

Lannate - a new insecticide for the control of the giant looper and other pests.
8751

The action of Tepa on the adults of Dacus oleae Gmel. (Diptera: Tephritidae) as a function of the quantity of the chemosterilant used.
8757

Field evaluation of three granular systemic insecticides for control of the aphids Eulachnus agilis and Cinara pinea on scotch pine.
8782

Trithion-a new acaricide.
8814

Cockroach control in Chicago's Lincoln park zoo.
8839

The group effect in the tests on insecticide resistance in Aedes aegypti.
8847

Antiresistant DDT continues to offer superior fly control.
8849

Esters of benzimidazolecarbamic acid as mite ovicides. Patent 3,427,388.
8851

A laboratory testing programme for assessing field performance of acaricides against Tetranychus urticae (Koch).
8857

Insecticide studies of the maize stalk borer, Busseola fusca (Fuller), in East Africa.
8893

The Simulium control scheme at Abuja, Northern Nigeria, and its effect on the prevalence of onchocerciasis in the area.
8919

Organising an eradication programme for Aedes aegypti in the USA.
8922

Problems of the month.
8932

Current status of brown soft scale in citrus groves of the lower Rio Grande Valley.
9009

Integrated chemical control of insects and biological control of mites on apple in Washington.
9010

Chemical control of the juniper webworm on Irish juniper.
9016

The leaf snout weevil of the avocado.
9018

Experiments on the control of root pests of Brassicae.
9021

Some ecological observations and results of the control of Argyresthia fundella F. R.
9022

Further evaluation of animal systemic insecticides, 1968.
9126

The optimum size for insecticide spray droplets.
9231

CHEMICAL CONTROL (NEMATODES)
Investigations on the migratory root nematode Pratylenchus neglectus on fodder grasses.
9033

CHEMICAL CONTROL (PESTS)
Mortality, longevity, and fecundity of spider mites on cotton treated with systemic acaricides.
8692

Method of killing pests by application of a phosphoro derivative of alpha-(methylthio) cresol. Patent 3,427,384.
8875

African red tick eradication with DDT. Final report on eradication of red tick from Africa, and USA.
9129

The effects of combinations of preemergence herbicides and systemic insecticides on cotton stands and yields.
9196

A note on paper disk method for laboratory fungicidal bioassay.
9241

CHEMICAL CONTROL (PLANT DISEASES)
Studies on the mode of action of inorganic nitrogenous amendments on Sclerotium rolfsii in soil.
8936

Factors involved in the development of peach seedling cankers induced by chilling.
8943

Chemical control of pea root rot by soil-incorporation and in-furrow treatments with 1-chloro-2-nitropropane.
8954

Control of fairy ring disease of the cultivated cranberry.
9001

Propargyl 2-bromodecanoate. Patent 3,427,333.
9195

CHEMICAL CONTROL (WEEDS)
Are herbicides doing their job.
9035

Certain 2-alkanoylamino-5-halothiazoles. Patent 3,427,318.
9036

Alteration of plant growth habit as a means of controlling rhizomatous species.
9037

Chemical mediation of growth movements in dodder.
9038

Evaluation of herbicides applied to the soil for weed control in irrigated sugar beets.
9039

Iminodioxolanes as herbicides. Patent 3,427,147.
9040

Chemical weed control in cotton: I. Growth and yield response of cotton plants to some herbicides.
9045

Weed control in cotton.
9046

Phenoxypyridazines as herbicides. Patent 3,427,146.
9047

Effects of five herbicides on three green algae.
9048

Creeping Charlie uses aqualin to kill aquatic weeds.
9186

Effect of herbicides on the valuations of made tea.
9212

CHEMICAL REACTIONS
Bursicon mediation of tyrosine hydroxylation during tanning of the adult cuticle of the fly, Sarcophaga bullata.
8853

Mode-of-action of photosynthesis inhibtor herbicides.
9215

Activation and inactivation of herbicides by higher plants.
9235

CHEMICAL STRUCTURE
Studies on chrysanthemic acid. Part XVIII. A new biologically active acid component related to chrysanthemic acid.
8806

Fungicidal action of organophosphorus compounds.
8963

Pyrethin II and related esters obtained by reconstitution.
9192

Experimental approaches to pesticide photodecomposition.
9221

Photochemical degradation products of pentachlorophenol.
9237

CHEMICAL TREATMENT
Utility of arecanut husk in horticulture..
8927

CHEMICALS
An appraisal of high, medium and low volume methods of spray application.
8722

3-methylene-androstan-17beta-ols and 17-alkyl derivatives thereof. Patent 3,427,386.
9063

Notice of filing of petition regarding pesticide chemicals.
9150

Notice of filing of petition regarding pesticide chemicals.
9151

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. p-Chlorophenyl-2,4,5-trichlorophenyl sulfide.
9155

Chemical growth retardants for bedding plants.
9203

Antibacterial composition containing 5-nitro-2-furyl-1,2,4-triazoles. Patent 3,427,387.
9218

Chemical industry produces insecticides as aid to growers in meeting demands of consumers, dr. Ferguson points out.
9225

Long-chain hisphenol esters. Patent 3,427,345.
9232

Bratton-Marshall reagent for the detection of substituted urea herbicides and metabolites on TLC plates.
9240

CHEMISTRY
Cytochemical studies on a coccidian, Chagasella ganapatii from a termite, Odontotermes obesus (Ramhur).
8724

Chemical industry produces insecticides as aid to growers in meeting demands of consumers, dr. Ferguson points out.
9225

CHEMORECEPTORS
Feeding hchavior of larvae of the western corn rootworm: Normal larvae and larvae maxillectomized with laser radiation.
8718

Chemosensory relationship hetween Epilachna vigintiocto-punctata and its host plant, Luffa aegyptiaca.
8788

Sense organs on the antennal flagellum of a giant cockroach, Gromphadorhina portentosa, and a comparison with those of several other species (Dictyoptera, Blattaria).
8856

A general method for estimating threshold concentrations of odorant molecules.
8901

Electrophysiological study of contact chemoreceptors in hloodsucking Diptera.
8907

CHEMOSTERILANTS
The action of Tepa on the adults of Dacus oleae Gmel. (Diptera: Tephritidae) as a function of the quantity of the chemosterilant used.
8757

Chemosterilant studies on Bracon sperm. II. Studies of selected compounds for induction of dominant lethal mutations or sperm inactivation.
8914

CHEMURGY
The metabolism of radiostrontium hy plants. (Ahstract).
9191

CHENOPODIUM
Transmission of apple viruses hy leaf tissue implantation.
8992

CHENOPODIUM QUINOA
The occurrence and some properties of hlack raspherry latent virus.
8941

Dark green epinasty of Chenopodium quinoa, a syndrome induced hy a virus latent in apple and pear.
8998

CHERRIES
Should Michigan forget ahout peaches.
8928

CHICKENS
Failure of chicken antisera against porcine enterovirus strain V13 to neutralize at low dilutions.
9070

Isolation of Toxoplasma gondii from naturally infected chickens.
9072

Control of chronic respiratory disease hy Spiramycin antihiotic therapy.
9103

The trend in the evolution of the poultry vaccines and the channels of administration.
9104

Evaluation of techniques used in studies on efficacy of anticoccidial drugs in chickens.
9106

Avian nephrosis associated with high dietary calcium. (Ahstract).
9111

CHICKS
House fly pupae as food for poultry.
9053

On the merit of simple pricking with R2B (Mukteswar strain) for effective vaccination against New Castle (Ranikhet) disease.
9092

(R2B) the Mukteswar virus vaccine and its characters.
9105

Multiple antigenic components of the group-specific antigen of the avian leukosis-sarcoma viruses.
9109

Ribonucleic acid synthesis in chick emhryo cells infected with fowl-plague virus.
9114

CHILO SUPPRESSALIS
Purification and some properties of Chilo iridescent virus.
8883

On the hionomics of Lyctocoris heneficus (Hiura) and Xylocoris galactinus (Fieber) (Anthocoridae, Heteroptera).
9003

Insect parasites in the natural control of species of rice stem borers on Luzon Island, Philippines.
9012

CHIRONOMIDAE
Some Australian parthenogenetic Chironomidae (Diptera).
8626

New species of chironomids from Costello Lake, Ontario (Diptera: Chironomidae).
8687

New symphoriont intranstylum - species (Peritricha, Ciliata) on larvae of Chironomous plumosus.
8869

CHIRONOMUS PLUMOSUS
New symphoriont intranstylum - species (Peritricha, Ciliata) on larvae of Chironomous plumosus.
8869

CHLORANIL
Sensitivity of Rhizobium species to certain fungicides.
8933

CHLORDANE
Resistance to Telodrin in the German cockroach, Blattella germanica.
8731

Seed-corn maggot resistance to aldrin in Illinois.
8767

Control of the lesser cornstalk borer attacking peanuts.
9008

Growth response of turfgrasses to several herbicides.
9211

CHLORFENVINPHOS
Experiments on the control of root pests of Brassicae.
9021

CHLORINATED HYDROCARBONS
Seed-corn maggot resistance to aldrin in Illinois.
8767

Mode of action of insecticides on the rice stem horer and development of resistance.
8884

Factors affecting severity of seedling hlight of corn in the United Arab Repuhlic.
8976

Effect of insecticides on ant and spider populations in Louisiana sugarcane fields.
9015

Some ecological ohservations and results of the control of Argyresthia fundella F. R.
9022

Are herhicides doing their job.
9035

Weed control in cotton.
9046

Experiments on the control of Gloeosporium fruit rots by field sprays. With an Addendum on: Harvest residues of dichlofluanid.
9140

Chlorinated insecticides in the body fat of people in the United States.
9149

Improved gas chromatographic systems for determining organochlorine pesticide residues in wildlife.
9161

Comparison of four extraction and cleanup procedures for chlorinated pesticide residues in eggs.
9164

Comparative toxicites of insecticides to house fly larvae and Macrocheles muscaedomestica, a mite predator of the house fly.
9168

Susceptibility of male and female mice to the mephrotoxic and hepatotoxic properties of chlorinated hydrocarbons.
9174

Effect of herbicides on the valuations of made tea.
9212

Report on chlorinated insecticides.
9219

IUPAC commission on the development, improvement, and standardization of methods of pesticide residue analysis.
9224

Fluorometric determination of pesticides.
9229

The optinum size for insecticide spray droplets.
9231

Analysis of a single crop extract for substituted urea herbicides and metabolites, chlorinated insecticides, and amitrole.
9239

CHLORINE
Microcoulometric gas chromatography: Improvements in instrumentation.
9227

CHLORO-N-ISOPROPYLACETANILIDE, 2-
Evaluation of herhicides applied to the soil for weed control in irrigated sugar beets.
9039

CHLORO-2-NITROPROPANE, 1-
Chemical control of pea root rot hy soil-incorporation and in-furrow treatments with 1-chloro-2-nitropropane.
8954

CHLOROPHYLLS
Effect of simazine on photosynthetic pigments of green algae.
9209

CHLOROPICRIN
The effect of soil fumigation on the growth of sugar beet.
9193

CHLOROPLASTS
Effect of TMV multiplication on RNA and protein synthesis in tohacco chloroplasts.
8956

CHLOROPROPHAM
Chemical weed control in cotton: I. Growth and yield response of cotton plants to some herbicides.
9045

CHLOROSIS
A foliar disease of tuberose caused by Aphelenchoides besseyi.
9031

CHLOROTIC LEAFSPOT (APPLES)
Transmission of apple viruses by leaf tissue implantation.
8992

CHLORTETRACYCLINE
How heneficial are feed additives.
9059

CHOLINESTERASES
Acute cutaneous toxicity of certain organophosphorous insecticides. I. Lebaycid.
9172

On a spray reagent for thin-layer chromatographic detection of a cholinesterase inhihiting insecticide.
9223

CHORISTONEURA
Studies on effects of forest sprayings with insecticides, 1952-63, on fish and aquatic invertebrates in New Brunswick streams: Introduction and summary.
9144

CHROMATIN
Similarity between phytokinins and herbicidal phenylurethanes.
9043

CHROMATOGRAPHY
Purification and some properties of Chilo iridescent virus.
8883

Some effects of sublethal heat on spores of Nosema apis.
8890

The N-terminal amino acid of an avian leukosis group-specific antigen from avian myelohlastosis virus.
9057

The gas chromatographic examination of organophosphorus pesticides. IV. The effect of cooking on organophosphorus pesticide residues.
9147

Recovery of 65 organophosphorus pesticides from Florisil with a new solvent elution system.
9148

Chlorinated insecticides in the body fat of people in the United States.
9149

Notice of filing of petition regarding pesticide chemicals.
9151

Studies on the effect of sulfuric-fuming nitric acid treatment on the analytical characteristics of toxaphene.
9153

Alkaline pre-column for use in gas chromatographic pesticide residue analysis.
9156

Residue analysis in the dairy industry. in Zwig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. 1. principles, methods, and general application.
9157

Indoxyl acetate spray reagent for fluorogenic detection of cholinesterase inhibitors in environmental samples.
9159

Improved gas chromatographic systems for determining organochlorine pesticide residues in wildlife.
9161

Gas chromatographic determination of residues of dimethoate and its oxygen analog in field-sprayed kale.
9162

Thin-layer chromatography of rat bile and urine following intravenous administration of pesticidal synergists.
9171

Pyrethin II and related esters obtained by reconstitution.
9192

Lipid metabolism in the fruit of Persea americana Mill. I. Studies on the chemical composition of lipids and their changes during fruit development and storage.
9201

On the primary stages of orthophosphate absorbtion by mycelium of Penicillium chrysogenum.
9202

Gas chromatographic determination of ethyl O,O-dimethyl-dithiophosphoryl-l-phenyl acetate in technical grade cidial and its 50 percent liquid formulation.
9216

On a spray reagent for thin-layer chromatographic detection of a cholinesterase inhibiting insecticide.
9223

IUPAC commission on the development, improvement, and standardization of methods of pesticide residue analysis.
9224

Gas chromatography of 3,4-methylenedioxyphenyl carbamates.
9226

Microcoulometric gas chromatography: Improvements in instrumentation.
9227

Report on multiple residue methods.
9233

Report on phosphated pesticides.
9236

Analysis of a single crop extract for substituted urea herbicides and metabolites, chlorinated insecticides, and amitrole.
9239

Bratton-Marshall reagent for the detection of substituted urea herbicides and metabolites on TLC plates.
9240

It's tough to pinpoint residue content.
9242

Gas chromatography of organophosphorus pesticides: Retention times and response data on three columns.
9244

Report on herbicides and plant growth regulators.
9245

CHROMOSOMES
Mating propensity, chromosomal polymorphism, and dependent conditions in drosophila persimilis. ii. factors between larvae and between adults.
8860

The salivary gland chromosomes of Anopheles pulcherrimus Theobald.
8909

Studies on cytology and differentiation in Sciaridae. II. DNA redundancy in salivary gland cells of Hyhosciara fragilis (Diptera, Sciaridae).
8911

A temperature effect on nondisjunction of the X chromosomes among eggs from aged Drosophila females.
8912

Spermiogenesis without chromosomes in Drosophila melanogaster.
8915

Genetic loads and cold temperature resistance in Drosophila pseudoobscura.
8916

Experimental studies on spermiogenesis in Drosophila.
8917

Organising an eradication programme for Aedes aegypti in the USA.
8922

Studies in polyploid varieties of sugar beets. X. Chromosomal variation in progeny of crosses involving diploid, triploid and tetraploid plants.
8931

CHRONIC RESPIRATORY DISEASE
Mycoplasma infections with emphasis on the control of M. gallisepticum.
9061

CHRYSOMELIDAE
Fourteen new chrysomelid beetles from Jamaica.
8619

Microctonus glyptoscelis n. sp., a parasite of Glyptoscelis pubescens (F.) in Wisconsin (Hymenoptera: Braconidae: Euphorinae and Coleoptera: Chrysomelidae).
8648

Oklahoma leaf beetles of the subfamilies Donaciinae, Criocerinae, Clytrinae, Chlamisinae, Eumolpinae, and Chrysomelinae (Chrysomelidae, Coleoptera).
8671

Hispinae of Peru, collected by von W. Weyrauch. (228. Contribution to the knowledge of the Hispinae, Colcopt., Chrysomelidae).
8683

Predators pitted against cereal leaf beetle.
8696

Role of winter cress, Barbarea vulgaris, as a temporal host in the seasonal development of the crucifer fauna.
9020

CHRYSOPIDAE
Factors influencing egg survival of Scolypopa australis Walker (Hemiptera-Homoptera: Ricaniidae) in the Sydney area (N. S. W. Australia).
9005

CICADELLIDAE
Studies of the Mexican Deltocephalinae II. Seven new species of Norvellina (Homoptera: Cicadellidae).
8646

Occurrence of an alkaline phosphomondesterase associated with the brochosomes in the malpighian tubules of Cicadella viridis Lin. (Homoptera).
8762

On the production of lipoproteic corpuscules by the Malpighian tubes in some insects.
8763

Spring dispersal of some leafhoppers and aphids.
8832

CICADIDAE
The adaptation to aquatic life of the larvae of Muansa clypealis (Homoptera, Cicadidae).
8717

CINARA PINEA
Field evaluation of three granular systemic insecticides for control of the aphids Eulachnus agilis and Cinara pinea on scotch pine.
8782

CITRUS
Ten years of observations on citrus canker.
8981

Current status of brown soft scale in citrus groves of the lower Rio Grande Valley.
9009

CLADOSPORIUM CUCUMERINUM
The development of resistance in Cladosporium cucumerinum against 6-azauracil, a chemotherapeutant of cucumber scab, and its relation to biosynthesis of RNA-PRECURSORS.
8944

CLASSIFICATION
A study of the thermosensitive mutants of the vesicular stomatitis virus (VSV). The classification of several mutants by the criteria of function.
9088

CLERIDAE
Notes on biology of clerid beetles that attack Ips spp. in upper South Carolina.
8783

CLIMATE
Winter control of the European red mite, Panonychus ulmi, and certain fruit insects by M-2060 (2-fluoroethyl(4-biphenylyl)acetate) in Italy.
8691

On the knowledge of the seasonal dynamics of heteroderosis in sugar beets in East-Slovakia (CSSR).
9027

The relation of climatic factors to the duration of the development of Heterodera schachtii in Slovakia (CSSR).
9028

COCCIDIOSIS
Evaluation of techniques used in studies on efficacy of anticoccidial drugs in chickens.
9106

COCCUS HESPERIDUM
Current status of brown soft scale in citrus groves of the lower Rio Grande Valley.
9009

COCHLIOMYIA HOMINIVORAX
Screwworm fly upsurge.
8698

The action of Tepa on the adults of Dacus oleae Gmel. (Diptera: Tephritidae) as a function of the quantity of the chemosterilant used.
8757

Use of a genetically marked strain to evaluate the retention of marking dyes by released screwworm flies.
8768

COCHLIOMYIA MACELLARIA
Further evaluation of animal systemic insecticides, 1968.
9126

COFFEE
Lannate - a new insecticide for the control of the giant looper and other pests.
8751

COLEOPTERA
Fourteen new chrysomelid beetles from Jamaica.
8619

Carphurinae or Carphuridae 43. Contribution to the knowledge of the Malachiidae.
8628

Monitoring for audible and ultrasonic sound production by stored-product insects during mating.
8904

COLEUS
Comparison of the movement and vascular differentiation effects of the endogenous auxin and of phenoxyacetic weedkillers in stems and petioles of Colens and Phaseolus.
9197

COLITIS
Colitis X (exhaustion shock) in a pregnant mare.
9076

COLLEMBOLA
Chronological study of the function of the ovary in the Hypogastruridae. Cavern-living and epigeous Collembola: Typhlogastrura halazuci Delamare and Ceratophysella engadinensis Gisin.
8881

COLLETIDAE
Three new species of Brachyhesma (Apoidea: Colletidea).
8629

COLLETOTRICHUM GLOEOSPORIOIDES
Effect of 2-deoxy-D-glucose on the respiration of tropical anthracnose fungi.
8952

COLLETOTRICHUM GRAMINICOLA
Pattern of cell death in sorghum stalk tissue as a measure of the susceptibility to spread of Colletotrichum graminicola in fifty-five sorghum varieties.
8965

COLOR
Brahman breeding as a factor affecting the attractiveness or repellency of cattle to the horn fly.
8886

COMPLEMENT
Study of the thermosensitive mutants of the vesicular stomatitis virus. Evidence from a complement test.
9071

CONIFERAE
A review of lepidopterous pests of coniferous forests in the Baykal Region.
9019

COPTOTERMES SILVATICUS
A new Coptotermes (Isoptera, Rhinotermitidae) from Gabon.
8636

CORMS
Control of gladiolus corm diseases in field and storage.
8934

Effect of storage treatments and fungicides on sprouting, flowering and gladiolus corm production.
8947

CORN
Corn stunt vector leafhopper attractancy to and oviposition preference for hybrid dent corn. I. Dalhulus maidis.
8732

A contribution to the study of the Greek species injurious to corn, of the genus Sesamia (Lepidoptera-Noctuidae).
8865

Insecticide studies of the maize stalk borer, Busseola fusca (Fuller), in East Africa.
8893

Factors affecting severity of seedling blight of corn in the United Arab Republic.
8976

Fungi causing seedling blight of corn in the United Arab Republic.
8977

Fight stalk rot with right fertility.
8978

Temperature response of seeds during the early phases of germination and its relation to injury by Rhizoctonia solani.
8983

The downy mildew and stalk rot diseases of maize.
8987

The relative efficiency of ear-to-row and convergent improvement in increasing disease resistance of Zea mays.
8996

Balance cows' minerals to defeat milk fever.
9089

Notice of filing of petition regarding pesticide chemicals.
9150

Predicting maize seed viability using 2,3,5-triphenyltetrazolium chloride.
9185

CORPORA ALLATA
The maturation of the oocytes in the isolated abdomen of Leucophaea maderae.
8719

Sexual difference in the activity of pars intercerebralis-corpus cardiacum-corpus allatum system of Bombyx mori.
8755

Egg maturation in mosquitoes not regulated by the corpora allata.
8792

Control of haemolymph lipid concentration during locust flight: An adipokinetic hormone from the corpora cardiaca.
8808

Study of the corpus allatum in living larvae of the blow fly Calliphora erythrocephala MG. (Diptera, Calliphoridae).
8877

CORPORA CARDIACA
Sexual difference in the activity of pars intercerebralis-corpus cardiacum-corpus allatum system of Bombyx mori.
8755

CORYNEBACTERIUM INSIDIOSUM
Biological activity of a phytotoxic glycopeptide produced by Corynebacterium sepedonicum.
9180

CORYNEBACTERIUM PYOGENES
Survey observations on ovine mastitis in New Zealand stud Romney flocks. 2. The bacteriology of ovine mastitis.
9100

CORYNEBACTERIUM SEPEDONICUM
Biological activity of a phytotoxic glycopeptide produced by Corynebacterium sepedonicum.
9180

COTTON
Mortality, longevity, and fecundity of spider mites on cotton treated with systemic acaricides.
8692

Life history of the boll weevil in field cages.
8772

The distribution of the family Heteroderidae (Filipjev, 1934) in South Africa and some host records of Meloidogyne species.
9026

Seasonal history and response to insecticides of Heliothis species on cotton.
9032

Chemical weed control in cotton: I. Growth and yield response of cotton plants to some herbicides.
9045

Weed control in cotton.
9046

Effects of light and 2,4-dichlorophenoxyacetic acid on the glutathione reductase and other NADP-UTILIZING enzymes of excised cotton cotyledons.
9187

The effects of combinations of preemergence herbicides and systemic insecticides on cotton stands and yields.
9196

COTTON BOLLS
Infection of cotton by Aspergillus flavus: Time of infection and the influence of fiber moisture.
8935

COTTONSEED OIL
Marking adult boll weevils with dyes fed in a cottonseed oil bait.
8739

CRABS
The fine structure of Nosema sp. Sprague, 1965 (Microsporida, Nosematidae) with particular reference to stages in sporogony.
9118

CRANBERRIES
Control of fairy ring disease of the cultivated cranberry.
9001

CRATEROCERCUS
The genus Craterocercus Rohwer (Hymenoptera: Tenthredinidae).
8673

CROP LOSSES
Sugar-cane moth borers in the Caribbean.
8974

Characteristics of the stopped and scarred damages due to the coddling moth (Laspeyresia pomonella L.) with a method of interpretation of the various forms of damages observed on apples.
9002

Insect vs men.
9013

CROP ROTATION
Irrigated sugar-cane in Rhodesia.
8925

Investigations on the migratory root nematode Pratylenchus neglectus on fodder grasses.
9033

CROP VARIETIES
Corn stunt vector leafhopper attractancy to and oviposition preference for hybrid dent corn. I. Dalhulus maidis.
8732

Team alfalfa scores high.
8926

Should Michigan forget about peaches .
8928

Character expressions and casual genes of some mutants in rice plant. Genetical studies on rice plant, XXXIII.
8930

Studies in polyploid varieties of sugar beets. X. Chromosomal variation in progeny of crosses involving diploid, triploid and tetraploid plants.
8931

Pattern of cell death in sorghum stalk tissue as a measure of the susceptibility to spread of Colletotrichum graminicola in fifty-five sorghum varieties.
8965

The relative efficiency of ear-to-row and convergent improvement in increasing disease resistance of Zea mays.
8996

Effect of sucrose and indole-3-acetic acid on extension growth of wheat coleoptile segments.
9207

CROP YIELDS
An appraisal of high, medium and low volume methods of spray application.
8722

Irrigated sugar-cane in Rhodesia.
8925

Chemical weed control in cotton: I. Growth and yield response of cotton plants to some herbicides.
9045

The effect of soil fumigation on the growth of sugar beet.
9193

The effects of combinations of preemergence herbicides and systemic insecticides on cotton stands and yields.
9196

CROPS
Giving crops field-to-table protection.
9248

CROTALARIA ANAGYROIDES
Etiella zinckenella Treit-a pod borer pest of Crotalaria anagyroides H.B.K.
8778

CROWN ROT (ALFALFA)
Effects of sloping land drainage on alfalfa crown rot.
8949

CRUCIFERAE
Role of winter cress, Barbarea vulgaris, as a temporal host in the seasonal development of the crucifer fauna.
9020

CRYPTOCERUS
Living doors.
8735

CUCUMBERS
The development of resistance in Cladosporium cucumerinum against 6-azauracil, a chemotherapeutant of cucumber scab, and its relation to biosynthesis of RNA-PRECURSORS.
8944

Reversible dissociation of cucumber mosaic virus (strain S).
8964

Temperature response of seeds during the early phases of germination and its relation to injury by Rhizoctonia solani.
8983

Occurrence of plant growth inhibitors in tropical and subtropical vegetation.
9189

CUCURBITACEAE
Chemosensory relationship between Epilachna vigintiocto-punctata and its host plant, Luffa aegyptiaca.
8788

CULEX
Bushbush, Ieri, and Lukuni viruses, three unrelated new agents isolated from Trinidadian forest mosquitoes.
9117

CULEX PIPIENS
Egg maturation in mosquitoes not regulated by the corpora allata.
8792

CULICIDAE
Three new species of the genus Tripteroides, subgenus Tripteroides Giles (Diptera: Culicidae).
8624

The role of gamma-aminobutyric acid in mosquito-host interactions: A hypothesis.
8779

Studies on chrysanthemic acid. Part XVIII. A new biologically active acid component related to chrysanthemic acid.
8806

Lack of multiplication of simian virus 40 (SV40) in experimentally infected mosquitoes.
8854

Eradication of malaria and mosquito control in Italy.
8921

Culicidae and Tabanidae as potential vectors of anaplasmosis in Mississippi.
9107

CULICOIDES
Add water-- instant Culicoides.
8900

CULICOIDES FURENS
Studies on larval development in Culicoides furens (Poey) (Diptera: Ceratopogonidae). I. Establishment of a standard rearing technique.
8797

CULISETA MORSITANS
Entomophthora aquatica sp. n. infecting larvae and pupae of floodwater mosquitoes.
8695

CULTURAL CONTROL (PLANT DISEASES)
Investigations on the migratory root nematode Pratylenchus neglectus on fodder grasses.
9033

CULTURE MEDIA
Sigma virus multiplication in whole-animal culture of Drosophila.
8852

An hypothesis for selection of strains of potato leaf roll virus by passage through Physalis floridana.
8940

Reversible dissociation of cucumber mosaic virus (strain S).
8964

Equine ringworm caused by Trichophyton tonsurans var sulfureum.
9087

Studies on haematological response in fowl to Pasteurella septica (avian). I. Response to inoculation of virulent culture.
9112

CURCULIONIDAE
The Baris lepidii group.
8625

A new record for a parasite of the alfalfa weevil in Eastern United States, Eriplanus micator (Gravenhorst) (Hymenoptera: Ichneumonidae).
8716

The leaf snout weevil of the avocado.
9018

CURRANTS
Some features of the physiology of dormancy in black currant plants in connection with the effect of gibberellin.
9199

CUSCUTA
Biochemical aspects of parasitism by the angiosperm parasites: Host-parasite interrelationship in phosphatase activity.
9044

CUSCUTA INDECORA
Chemical mediation of growth movements in dodder.
9038

CUTICLE
Analysis of the structure of the pore ducts in the favorable case offered by the tegument of Galleria mellonella nymphs.
8703

Integumental absorption versus oral ingestion of phosphate and other materials by common cattle grubs held in vitro.
8726

The production of cuticle wax by engorged females of the cattle tick, Boophilus microplus (Canestrini).
8730

Mode of entry of contact insecticides.
8758

Bursicon mediation of tyrosine hydroxylation during tanning of the adult cuticle of the fly, Sarcophaga bullata.
8853

Physico-chemical studies on the absorption of pesticides by the insect cuticle and penetration to the insect body.
8874

An active reduction of water level in insect cuticle.
8902

CYCLOATE
Evaluation of herbicides applied to the soil for weed control in irrigated sugar beets.
9039

CYCLOHEXIMIDE
Cycloheximide, amino acid incorporation and learning in the isolated cockroach ganglion.
8720

CYLINDROCLADIUM FLORIDANUM
Calonectria floridana sp. nov., the perfect stage of Cylindrocladium floridanum.
8990

CYTOGENETICS
Studies on cytology and differentiation in Sciaridae. II. DNA redundancy in salivary gland cells of Hybosciara fragilis (Diptera, Sciaridae).
8911

Sex chromosomes and sex determining mechanisms in Odonata, with a review of the cytological conditions in the family Gomphidae, and references to the karyotypic evolution in the order.
8913

CYTOLOGY
Cytochemical studies on a coccidian, Chagasella ganapatii from a termite, Odontotermes obesus (Rambur).
8724

The existence of lysosomic inclusions in the adipose cells of Periplaneta americana (Blattidae).
8759

Study of the corpus allatum in living larvae of the blow fly Calliphora erythrocephala MG. (Diptera, Calliphoridae).
8877

Growth of Rift Valley fever virus in human diploid (WI-38) cells.
9082

CYTOPATHOLOGY
Cytopathology of a nucleopolyhedrosis of the beet armyworm, Spodoptera exigua.
8773

CYTOSINE
Glutamic acid requirements of the saw-toothed grain beetle, Oryzaephilus surinamensis (L.) (Coleoptera, Silvanidae).
8741

D, 2,4-
The influence of environment on the phytotoxicity of dicamba, picloram, bromoxynil and 2,4-D ester.
9041

Effects of five herbicides on three green algae.
9048

Note on the determination of some chlorophenoxy herbicides and their esters in water.
9143

Effects of light and 2,4-dichlorophenoxyacetic acid on the glutathione reductase and other NADP-UTILIZING enzymes of excised cotton cotyledons.
9187

Role of RNA metabolism in the action of auxin-herbicides.
9194

Production of yeast variants by auxin and effects of plant growth regulators on these variants.
9214

DACTHAL
Are herbicides doing their job.
9035

Effects of five herbicides on three green algae.
9048

DACUS CUCURBITAE
Differentiation of parasitized and unparasitized pupae of the melon fly and Oriental and Mediterranean fruit flies.
88.6

DACUS DORSALIS
Differentiation of parasitized and unparasitized pupae of the melon fly and Oriental and Mediterranean fruit flies.
8816

Low-cost larval rearing medium for mass production of Oriental and Mediterranean fruit flies.
8879

DACUS OLEAE
The action of Tepa on the adults of Dacus oleae Gmel. (Diptera: Tephritidae) as a function of the quantity of the chemosterilant used.
8757

Preliminary studies of the release in 1965 on the island of Chalki, of Opius concolor Szepl. (Hymen, Braconidae) a parasite of Daeus oleae Gmel. (Dipt. Trypetidae).
8864

DAIDALOTARSONEMUS JAMESBAKERI
Further studies on the Tarsonemidae, II (Acarina).
8672

DAIRY EQUIPMENT
The preservation of fruit.
9139

The fluoreseent partiele spray droplet tracer method.
9230

An experimental pesticide dust-metering unit.
9246

DAIRY INDUSTRY
Residue analysis in the dairy industry. in Zwig, Analytieal methods for pestieides, plant growth regulators, and food additives. vol. 1. prineiples, methods, and general application.
9157

DAIRY PRODUCTS
Residue analysis in the dairy industry. in Zwig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. 1. principles, methods, and general application.
9157

DALAPON
Are herhicides doing their joh .
9035

Effeet of herhicides on the valuations of made tea.
9212

DALBULUS MAIDIS
Corn stunt vector leafhopper attractancy to and oviposition preferenee for hyhrid dent corn. I. Dalhulus maidis.
8732

DANAIDAE
Morphology of the larval and adult hrains of the monareh hutterfly, Danaus plexippus plexippus, L.
8821

DANAUS PLEXIPPUS
Morphology of the larval and adult hrains of the monareh hutterfly, Danaus plexippus plexippus, L.
8821

DATANA MINISTRA
Characters for determining sex of pupae of the oakworms Anisota senatoria, A. stigma, and A. virginiensis, and the yellow-neeked caterpillar, Datana ministra.
8748

DDT
Superflies heat dichlorodiphenyltrichloroethane.
8697

Resistance to Telodrin in the German cockroach, Blattella germanica.
8731

Effeet of DDT on incorporation of C14-laheled glueose into protein and soluhle intermediates of nymphal Triatoma infestans.
8743

Seed-corn maggot resistanee to aldrin in Illinois.
8767

The group effect in the tests on insecticide resistance in Aedes aegypti.
8847

Antiresistant DDT continues to offer superior fly control.
8849

The Simulium control scheme at Ahuja, Northern Nigeria, and its effeet on the prevalenee of onchocerciasis in the area.
8919

Eradication of malaria and mosquito control in Italy.
8921

Organising an eradication programme for Aedes aegypti in the USA.
8922

A leaf disorder of eacao in Costa Rica.
8982

Aerial spray tests against gypsy moth. Porthetria dispar in New York.
9004

Control of the lesser cornstalk horer attacking peanuts.
9008

Some ecological ohservations and results of the control of Argyresthia fundella F. R.
9022

Seasonal history and response to insecticides of Heliothis species on cotton.
9032

Afriean red tick eradication with DDT. Final report on eradieation of red tiek from Africa, and USA.
9129

Distrihution and stahility of DDE, DDD, and DDT in Monterey and cheddar eheese during manufacture and storage.
9137

Studies on effects of forest sprayings with insecticides, 1952-63, on fish and aquatic invertebrates in New Brunswick streams: Introduction and summary.
9144

DDT residues in a East Coast estuary, a case of hiological concentration of a persistent insecticide.
9145

Chlorinated insecticides in the hody fat of people in the United States.
9149

Response of robins to DDT and methoxychlor.
9152

Studies on the effect of sulfuric-fuming nitrie acid treatment on the analytical characteristics of toxaphene.
9153

Residue analysis in the dairy industry. in Zwig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. 1. principles, methods, and general applieation.
9157

Comparison of four extraction and cleanup procedures for chlorinated pesticide residues in eggs.
9164

Respiratory exposure of dairy animals to pesticides.
9165

DDT residues and declining reproduction in Bermuda petrel.
9166

Survival of fish in 164 herbicides, insecticides, fungicides, wetting agents and miseellaneous substances.
9167

Pestieide residues in foods in relation to human health.
9170

Mode of action of DDT and allethrin on nerve: Cellular and moleeular mechanisms.
9178

An evaluation of certain compounds as feeding deterrents against the smaller European elm bark heetle, Scolytus multistriatus.
9182

The optinum size for insecticide spray droplets.
9231

DECANOIC ACID
An evaluation of certain eompounds as feeding deterrents against the smaller European elm bark heetle, Scolytus multistriatus.
9182

DECLINE
Xiphinema americanum associated with maple decline in Massaehusetts.
9029

DECLINE (APPLES)
Transmission of apple viruses by leaf tissue implantation.
8992

DEFICIENCY DISEASES
Banana diseases in the Pacific area.
8924

Serum enzyme and serum eleetrolyte values of lamhs fed a magnesium-deficient ration.
9085

Balance cows' minerals to defeat milk fever.
9089

The use of ferromyn (Ferrous succinate) in iron deficiency anemia.
9102

DEGRADATION
Radiotracer studies on metabolism, degradation, and mode of action of insecticide chemicals.
9169

Experimental approaches to pesticide photodeeomposition.
9221

Photochemieal degradation products of pentaehlorophenol.
9237

DEHYDROGENASES
Gel electrophoresis of some dehydrogenases from flight muscles of tsetse flies (Glossina morsitans) and houseflies (Musca domestica).
8815

DEMETON
Control of mites and aphids on and in bulbs.
8850

Pesticide residues in foods in relation to human health.
9170

DEMOGRAPHY
A review of lepidopterous pests of coniferous forests in the Baykal Region.
9019

DEOXYRIBONUCLEIC ACID
The nucleopolyhedrosis virus of Heliothis: Quantitative in vivo estimates of virulence.
8694

Nucleic acid in intaet nuclear polyhedral bodies isolated from virus-infected fall armyworm, Spodoptera frugiperda.
8745

Studies on cytology and differentiation in Sciaridae. II. DNA redundaney in salivary gland eells of Hybosciara fragilis (Diptera, Sciaridae).
8911

DERMACENTOR
Control of equine piroplasmosis in Florida.
9065

DERMATOPHILUS CONGOLENSIS
Cutaneous streptothricosis in a bull.
9113

DERMESTIDAE
The hastate setae of certain dermestid larvae: an entangling defense mechanism.
8824

DEVELOPMENT
Nucleic acid synthesis in nurse cells of Rhynchosciara angelae Nonato and Pavan, 1951.
8705

Asynchronous ovarian development in the housefly, Musca domestica L. (diptera: Muscidae), caused by dietary gamma-aminobutyric acid (GABA).
8714

The maturation of the oocytes in the isolated abdomen of Leucophaea maderae.
8719

Homograft of the tarsus into the place of the eye in the phasmid Sipyloidea sipylus W.
8888

DEXTRANS
Biological activity of a phytotoxic glycopeptide produced by Corynebacterium sepedonicum.
9180

DIABROTICA VIRGIFERA
Feeding hehavior of larvae of the western corn rootworm: Normal larvae and larvae maxillectomized with laser radiation.
8718

DIAGNOSIS
Nematodes of the family Tetradonematidae, parasitizing in members of the family Simuliidae (Diptera).
8844

The occurrence of inclusion bodies in leaf epidermis cells of sandal affected with spike disease.
8945

Fungi causing seedling blight of corn in the United Arab Republic.
8977

Occurrence of brown spot on tobacco in Kentucky in 1966.
8989

Virus-like particles in galls on sugarcane plants affected by Fiji disease.
8994

DIALLATE
Are herbicides doing their job.
9035

DIARRHEA
Mycotoxicosis associated with hemorrhagic enterocolitis and abortion in swine.
9062

Colitis X (exhaustion shock) in a pregnant mare.
9076

DIATRAEA SACCHARALIS
Sugar-cane moth borers in the Caribbean.
8974

Effect of insecticides on ant and spider populations in Louisiana sugarcane fields.
9015

DIAZINON
Seed-corn maggot resistance to aldrin in Illinois.
8767

Experiments on the control of root pests of Brassicae.
9021

Mortality of the earthworm Lumbricus terrestris L. following soil applications of insecticides to a tobacco field.
9175

DICAMBA
The influence of environment on the phytotoxicity of dicamba, picloram, bromoxynil and 2,4-D ester.
9041

Note on the determination of some chlorophenoxy herbicides and their esters in water.
9143

DICHLONE
Sensitivity of Rhizobium species to certain fungicides.
8933

DICHLORO-2,2-BIS(P-CHLOROPHENYL) ETHYLENE, 1,1-
Distribution and stability of DDE, DDD, and DDT in Monterey and cheddar cheese during manufacture and storage.
9137

Respiratory exposure of dairy animals to pesticides.
9165

DICHLOROBENZOIC ACID, 2,6-
2,3,6-trichlorobenzoic and 2,6-dichlorobenzoic acid interference with phototropic and geotropic responses of seedlings.
9213

DICHLOROBENZONITRILE, 2,6-
Effect of herbicides on the valuations of made tea.
9212

DICHLOROPROPANE DICHLOROPROPENE MIXTURE
The effect of soil fumigation on the growth of sugar beet.
9193

DICHLORVOS
Mixtures of dichlorvos, pyrethrins and dimethrin in aerosols for controlling houseflies.
8708

Notice of filing of petition regarding pesticide chemicals.
9151

IUPAC commission on the development, improvement, and standardization of methods of pesticide residue analysis.
9224

DICHOMERIS MARGINELLA
Chemical control of the juniper webworm on Irish juniper.
9016

DICLADOCERUS
Some ecological observations and results of the control of Argyresthia fundella F. R.
9022

DICRYL
Chemical weed control in cotton: I. Growth and yield response of cotton plants to some herbicides.
9045

DIEBACK (ULMUS)
An evaluation of certain compounds as feeding deterrents against the smaller European elm bark beetle, Scolytus multistriatus.
9182

Elm research institute.
9247

DIELDRIN
Resistance to Telodrin in the German cockroach, Blattella germanica.
8731

Mode of entry of contact insecticides.
8758

Seed-corn maggot resistance to aldrin in Illinois.
8767

Charcoal diet for cattle.
9146

Chlorinated insecticides in the body fat of people in the United States.
9149

Comparison of four extraction and cleanup procedures for chlorinated pesticide residues in eggs.
9164

Pesticide residues in foods in relation to human health.
9170

DIET
Pathogenicity of a nuclear-polyhedrosis virus of the beet armyworm, Spodoptera exigua.
8774

Charcoal diet for cattle.
9146

DIETHOXYBENZALDEHYDE, 3,4-
An evaluation of certain compounds as feeding deterrents against the smaller European elm bark beetle, Scolytus multistriatus.
9182

DIETHYL O-(P-METHYLSULFINYL)PHENYL)PHOSPHOROTHIOATE, O,O
Notice of filing of petition regarding pesticide chemicals.
9150

DIETHYL O-(4-(METHYLTHIO)-3-XYLYL) PHOSPHOROTHIOATE, O,O
The metabolism of Bayer 9017 in calves.
9184

DIETHYL-M-TOLUAMIDE, N,N
An evaluation of certain compounds as feeding deterrents against the smaller European elm bark beetle, Scolytus multistriatus.
9182

DIGESTION
Meadow vole used in hay research.
9052

DIHYDROSTREPTOMYCIN
Cutaneous streptothricosis in a bull.
9113

DIMETHOATE
Gas chromatographic determination of residues of dimethoate and its oxygen analog in field-sprayed kale.
9162

DIMETHRIN
Mixtures of dichlorvos, pyrethrins and dimethrin in aerosols for controlling houseflies.
8708

DIMETHYL PHTHALATE
An evaluation of certain compounds as feeding deterrents against the smaller European elm bark beetle, Scolytus multistriatus.
9182

DIMETHYL 2,3,5,6-TETRACHLOROTEREPHTHALATE
Chemical mediation of growth movements in dodder.
9038

DINITROCRESOL
Are herbicides doing their job.
9035

DIOXOLANE COMPOUNDS
Iminodioxolanes as herbicides. Patent 3,427,147.
9040

DIPLODIA
Fight stalk rot with right fertility.
8978

DIPRION HERCYNIAE
The method and role of vertical transmission of a nucleopolyhedrosis virus in the European spruce fly, Diprion hereyniae.
8818

DIPTERA
First record of Rhagio scolopaceus (Linne) in North America (Diptera: Rhagionidae).
8682

Superflies beat dichlorodiphenyltrichloroethane.
8697

Screwworm fly upsurge.
8698

Laboratory rearing of Spalangia nigroaenea (Hymenoptera: Pteromalidae).
8770

Nematodes of the family Tetradonematidae, parasitizing in members of the family Simuliidae (Diptera).
8844

Sigma virus multiplication in whole-animal culture of Drosophila.
8852

Electrophysiological study of contact chemoreceptors in bloodsucking Diptera.
8907

Some ectoparasites from West Virginia mammals, II.
9128

DIROFILARIA IMMITIS
Postmortem pulmonary arteriography in canine dirofilariasis.
9132

DIROFILARIASIS
Postmortem pulmonary arteriography in canine dirofilariasis.
9132

DISEASE TRANSMISSION
The method and role of vertical transmission of a nucleopolyhedrosis virus in the European spruce fly, Diprion hereyniae.
8818

Lack of multiplication of simian virus 40 (SV40) in experimentally infected mosquitoes.
8854

Bushbush, Ieri, and Lukuni viruses, three unrelated new agents isolated from Trinidadian forest mosquitoes.
9117

DISULFOTON
Seed-corn maggot resistance to aldrin in Illinois.
8767

Field evaluation of three granular systemic insecticides for control of the aphids Eulachnus agilis and Cinara pinea on scotch pine.
8782

Mortality of the earthworm Lumbricus terrestris L. following soil applications of insecticides to a tobacco field.
9175

The effects of combinations of preemergence herbicides and systemic insecticides on cotton stands and yields.
9196

DITHIOCARBAMATES
Modification of the carbon disulfide evolution method for dithiocarbamate residues.
9154

DITHIOSEMICARBAZONES
The inhibitory effect of a dithiosemicarbazone on acute infections of Anaplasma marginale.
9134

DIURON
Chemical weed control in cotton: I. Growth and yield response of cotton plants to some herbicides.
9045

The effects of combinations of preemergence herbicides and systemic insecticides on cotton stands and yields.
9196

DOGS
The PCO market in tick control.
8859

Actinobacillus lignieresii infection in a dog.
9067

Neutralization of canine herpesvirus by dog and human serums: a survey.
9091

The use of ferromyn (Ferrous succinate) in iron deficiency anemia.
9102

Fine structure of the intestine of the nematodes, Ancylostoma caninum and Phocanema decipiens.
9130

Postmortem pulmonary arteriography in canine dirofilariasis.
9132

DOPA
Bursicon mediation of tyrosine hydroxylation during tanning of the adult cuticle of the fly, Sarcophaga bullata.
8853

DOSAGE
The action of Tepa on the adults of Dacus oleae Gmel. (Diptera: Tephritidae) as a function of the quantity of the chemosterilant used.
8757

Pathogenicity of a nuclear-polyhedrosis virus of the beet armyworm, Spodoptera exigua.
8774

Simultaneous infection with the nucleopolyhedrosis and granulosis viruses of Trichoplusia ni.
8800

The group effect in the tests on insecticide resistance in Aedes aegypti.
8847

Chemical control of pea root rot by soil-incorporation and in-furrow treatments with 1-chloro-2-nitropropane.
8954

Control of fairy ring disease of the cultivated cranberry.
9001

Control of chronic respiratory disease by Spiramycin antibiotic therapy.
9103

Cutaneous streptothricosis in a bull.
9113

Acute cutaneous toxicity of certain organophosphorous insecticides. I. Lchaycid.
9172

Effect of herbicides on the valuations of made tea.
9212

DOWNY MILDEW (CORN)
The downy mildew and stalk rot diseases of maize.
8987

DRAINAGE
Soil water measured.
8923

Effects of sloping land drainage on alfalfa crown rot.
8949

DROSOPHILA
Fluctuations in natural populations of Drosophila with special attention to sex ratio.
8804

Mating propensity, chromosomal polymorphism, and dependent conditions in drosophila persimilis. ii. factors between larvae and between adults.
8860

DROSOPHILA MELANOGASTER
Developmental inhibition in Drosophila using dihydroxybenzoic acid isomers.
8793

A new virus of Drosophila melanogaster, virus P1.
8835

Sigma virus multiplication in whole-animal culture of Drosophila.
8852

Mosaicism in Habrobracon juglandis associated with the ebony locus.
8910

A temperature effect on nondisjunction of the X chromosomes among eggs from aged Drosophila females.
8912

Spermiogenesis without chromosomes in Drosophila melanogaster.
8915

Experimental studies on spermiogenesis in Drosophila.
8917

Recessive mutants in a wild Drosophila melanogaster population.
8918

DROSOPHILA PSEUDOOBSCURA
Genetic loads and cold temperature resistance in Drosophila pseudoobscura.
8916

DRUG THERAPY
The development of resistance in Cladosporium cucumerinum against 6-azauracil, a chemotherapeutant of cucumber scab, and its relation to biosynthesis of RNA-PRECURSORS.
8944

Synergism in the chemotherapy of Fascioliasis.
9084

Balance cows' minerals to defeat milk fever.
9089

Polioencephalomalacia (cerebrocortical necrosis).
9090

On the merit of simple pricking with R2B (Mukteswar strain) for effective vaccination against New Castle (Ranikhet) disease.
9092

Evaluation of techniques used in studies on efficacy of anticoccidial drugs in chickens.
9106

Infection experiments with the cotton rat filaria Litomosoides carinii in Mastomys natalensis (Smith, 1834).
9127

Tylan very effective in treating pigeons.
9173

DRUGS
The use of ferromyn (Ferrous succinate) in iron deficiency anemia.
9102

Report on analytical entomology of food and drugs.
9141

DUSTING
An experimental pesticide dust-metering unit.
9246

DWARF MISTLETOE
Records of the higher fungi of Minnesota.
9050

DYES
Marking adult boll weevils with dyes fed in a cottonseed oil bait.
8739

Use of a genetically marked strain to evaluate the retention of marking dyes by released screwworm flies.
8768

DYSAPHIS PLANTAGINEA
Winter control of the European red mite, Panonychus ulmi, and certain fruit insects by M-2060 (2-fluoroethyl(4-biphenylyl)acetate) in Italy.
8691

DYSAPHIS TULIPAE
Control of mites and aphids on and in bulbs.
8850

DYTISCIDAE
Proposed faunal affinities of Utah Dytiscidae with the emphasis on the genus Hygrotus Stephens.
8618

EARTHWORMS
Mortality of the earthworm Lumbricus terrestris L. following soil applications of insecticides to a tobacco field.
9175

EAST AFRICA
Insecticide studies of the maize stalk borer, Busseola fusca (Fuller), in East Africa.
8893

ECOLOGY
The arthropod cave fauna of the Carlsbad Caverns region, New Mexico.
8704

Ecological significance of antibiotics of some varieties of Bacillus thuringiensis.
8831

The optinum size for insecticide spray droplets.
9231

ECONOMICS
Eelworms-a progress report on a few more groups found in North-East Indian tea soils.
9025

ECTOPARASITES
Some ectoparasites from West Virginia mammals, II.
9128

EDUCATION
Giving crops field-to-table protection.
9248

EGGS
Comparison of four extraction and cleanup procedures for chlorinated pesticide residues in eggs.
9164

EICHHORNIA CRASSIPES
Evaluation of Arzama densa as an aid in the control of water hyacinth in Louisiana.
9049

ELASMOPALPUS
Control of the lesser cornstalk borer attacking peanuts.
9008

ELATERIDAE
Pyrganus a new genus (Coleoptera, Elateridae).
8633

Hypnoidus riparius (Fabricius), a possible agricultural pest from Europe (Coleoptera: Elateridae).
8868

ELECTROLYTES
Serum enzyme and serum electrolyte values of lambs fed a magnesium-deficient ration.
9085

ELECTRON MICROSCOPES
The pathogenesis of the glomerulopathy in Aleutian disease. (Abstract).
9077

ELECTRON MICROSCOPY
Morphology and development of an occuluded virus from the black-soil scarab, Othnonius batesi.
8760

On the production of lipoproteic corpuscules by the Malpighian tubes in some insects.
8763

Cytopathology of a nucleopolyhedrosis of the beet armyworm, Spodoptera exigua.
8773

A new virus of Drosophila melanogaster, virus P1.
8835

An electron microscope study of nebenkern formation and differentiation in spermatids of Murgantia histrionica (Hemiptera, Pentatomidae).
8837

Teratology of the beetle Tenebrio molitor. IV. Ultrastructure of the necrotic fat body and foregut associated with the pupal-winged adult.
8866

The pitch of tobacco mosaic virus.
8948

Occurrence of virus particles in the phloem tissue of BYDV-infected barley.
8962

Partial reconstitution of tobacco mosaic virus.
8993

Invasion of plant tissue by bacteria under in vitro conditions.
8997

Electron microscopical observations on Mycobacterium johnei.
9115

The fine structure of Nosema sp. Sprague, 1965 (Microsporida, Nosematidae) with particular reference to stages in sporogony.
9118

Biological activity of a phytotoxic glycopeptide produced by Corynebacterium sepedonicum.
9180

ELECTROPHORESIS
Esterases and phosphatases in the gastric secretion of the cockroach, Periplaneta americana.
8733

Acetylcholinesterase polymorphism in the face fly (Diptera: Muscidae).
8786

Gel electrophoresis of some dehydrogenases from flight muscles of tsetse flies (Glossina morsitans) and houseflies (Musca domestica).
8815

The N-terminal amino acid of an avian leukosis group-specific antigen from avian myeloblastosis virus.
9057

Structural proteins of vesicular stomatitis viruses.
9123

ELECTROPHYSIOLOGY
Neuromuscular synapses in the cockroach extensor tibiae muscle.
8700

Study of different types of activities recorded with capillary microelectrodes in the last abdominal ganglion to the cockroach, Periplaneta americana L..
8723

Non-homogeneous conduction in giant axons of the nerve cord of Periplaneta americana.
8827

Organization of the giant axons of the cockroach Periplaneta americana.
8861

Histological and electrophysiological studies on the giant axons of the cockroach Periplaneta americana.
8862

Electrophysiological study of contact chemoreceptors in bloodsucking Diptera.
8907

Mode of action of DDT and allethrin on nerve: Cellular and molecular mechanisms.
9178

EMBRYOLOGY
Multiple antigenic components of the group-specific antigen of the avian leukosis-sarcoma viruses.
9109

ENATION MOSAIC (PEAS)
Pea enation mosaic virus: Glucose catabolism in leaves and pods of infected peas.
8938

ENDOCRINE GLANDS
Sexual difference in the activity of pars intercerebralis-corpus cardiacum-corpus allatum system of Bombyx mori.
8755

The action of the endocrine system and the ovary on the hemogram of Locusta migratoria L. (Orthoptera). The role of the ventral gland.
8771

ENDOTHIA PARASITICA
Exclusive hypovirulence, an original phenomenon in vegetable pathology.
8953

ENDOTOXINS
Endotoxins from several bacterial species as immunizing agents against Pseudomonas aeruginosa in Galleria mellonella.
8725

ENDRIN
Insecticide studies of the maize stalk borer, Busseola fusca (Fuller), in East Africa.
8893

Control of the lesser cornstalk borer attacking peanuts.
9008

Effect of insecticides on ant and spider populations in Louisiana sugarcane fields.
9015

Seasonal history and response to insecticides of Heliothis species on cotton.
9032

Comparison of four extraction and cleanup procedures for chlorinated pesticide residues in eggs.
9164

Pesticide residues in foods in relation to human health.
9170

ENTERITIS
Colitis X (exhaustion shock) in a pregnant mare.
9076

ENTOMOGENOUS BACTERIA
Endotoxins from several bacterial species as immunizing agents against Pseudomonas aeruginosa in Galleria mellonella.
8725

ENTOMOGENOUS FUNGI
Entomophthora aquatica sp. n. infecting larvae and pupae of floodwater mosquitoes.
8695

The incidence of parasitism and disease in some populations of the cabbage aphid,(Brevicoryne brassicae L.) in New Zealand.
8799

ENTOMOPHTHORA
Entomophthora aquatica sp. n. infecting larvae and pupae of floodwater mosquitoes.
8695

The incidence of parasitism and disease in some populations of the cabbage aphid,(Brevicoryne brassicae L.) in New Zealand.
8799

ENVIRONMENT
Fluctuations in natural populations of Drosophila with special attention to sex ratio.
8804

A review of lepidopterous pests of coniferous forests in the Baykal Region.
9019

The influence of environment on the phytotoxicity of dicamba, picloram, bromoxynil and 2,4-D ester.
9041

ENZYMES
Alkaline phosphatase in the digestive system of the desert locust, Schistocerca gregaria (Forskal).
8699

The development of resistance in Cladosporium cucumerinum against 6-azauracil, a chemotherapeutant of cucumber scab, and its relation to biosynthesis of RNA-PRECURSORS.
8944

Invasion of plant tissue by bacteria under in vitro conditions.
8997

Serum enzyme and serum electrolyte values of lambs fed a magnesium-deficient ration.
9085

Indoxyl acetate spray reagent for fluorogenic detection of cholinesterase inhibitors in environmental samples.
9159

Acute cutaneous toxicity of certain organophosphorous insecticides. I. Lebaycid.
9172

Effects of light and 2,4-dichlorophenoxyacetic acid on the glutathione reductase and other NADP-UTILIZING enzymes of excised cotton cotyledons.
9187

Oxidative enzymes of Ceratocystis fimbriata isolates differing in host specificity.
9204

EOTETRANYCHUS
Studies of Queensland Tetranychidae. 7. Records of the genus Eotetranychus (Acarina: Tetranychidae).
8621

EPHEMERA SIMULANS
Distribution and emergence patterns of mayflies Ephemera simulans (Ephemeroptera: Ephemeridae).
8753

EPHEMERIDAE
The mayfly genus Hexagenia in Mexico (Ephemeroptera: Ephemeridae).
8651

EPIDEMIOLOGY
A technique for studying inhibition of the parasitic activity of Ophiobolus graminis (Sacc.) Sacc. in field soils.
8969

Occurrence of brown spot on tobacco in Kentucky in 1966.
8989

EPILACHNA
Chemosensory relationship between Epilachna vigintiocto-punctata and its host plant, Luffa aegyptiaca.
8788

EPINASTY
Dark green epinasty of Chenopodium quinoa, a syndrome induced by a virus latent in apple and pear.
8998

EPIPHYSIS
Hematopoiesis and epiphyseal growth zones in rabbits with molybdenosis.
9183

EPIZOOTIC DISEASES
A common source epizootic of bovine salmonellosis in Manitoba.
9120

EPN
Pesticide residues in foods in relation to human health.
9170

EPURAEA ANGUSTULA
Epuraea fussi Reitter equals Epuraea interjecta Sjoberg syn. nov.
8676

EPURAEA FUSSI
Epuraea fussi Reitter equals Epuraea interjecta Sjoberg syn. nov.
8676

ERADICATION
Organising an eradication programme for Aedes aegypti in the USA.
8922

ERIPLANUS MICATOR
A new record for a parasite of the alfalfa weevil in Eastern United States, Eriplanus micator (Gravenhorst) (Hymenoptera: Ichneumonidae).
8716

ERWINIA CAROTOVORA
The downy mildew and stalk rot diseases of maize.
8987

ERYSIPHE GRAMINIS HORDEI
Effects of the fungus Erysiphe graminis f. sp. hordei Marchal on the transpiration of barley.
8979

ERYTHROCYTES
Red blood cell count in relation to reproductive phases in the female rabbit.
9056

Studies on haematological response in fowl to Pasteurella septica (avian). I. Response to inoculation of virulent culture.
9112

ESCHERICHIA COLI
Effect of food intake on growth and survival of salmonellas and Escherichia coli in the bovine rumen.
9064

A role for phospholipid hydrolysis in the lysis of Escherichia coli infected with bacteriophage T4.
9068

Survey observations on ovine mastitis in New Zealand stud Romney flocks. 2. The bacteriology of ovine mastitis.
9100

ESTERASES
Esterases and phosphatases in the gastric secretion of the cockroach, Periplaneta americana.
8733

ESTERS
Fatty acids, methyl esters and insect growth.
8809

Esters of benzimidazolecarbamic acid as mite ovicides. Patent 3,427,388.
8851

The influence of environment on the phytotoxicity of dicamba, picloram, bromoxynil and 2,4-D ester.
9041

Note on the determination of some chlorophenoxy herbicides and their esters in water.
9143

Propargyl 2-bromodecanoate. Patent 3,427,333.
9195

Long-chain bisphenol esters. Patent 3,427,345.
9232

ESTRUS
Variations in body temperature associated with reproductive state in the female rabbit.
9055

Red blood cell count in relation to reproductive phases in the female rabbit.
9056

ETCH
Tobacco etch virus cylindrical inclusions: antigenically unrelated to the causal virus.
8984

ETHYL N,N-DIPROPYLTHIOCARBAMATE
Are herbicides doing their job.
9035

Evaluation of herbicides applied to the soil for weed control in irrigated sugar beets.
9039

ETIELLA ZINCKENELLA
Etiella zinckenella Treit-a pod borer pest of Crotalaria anagyroides H.B.K.
8778

EULACHNUS AGILIS
Field evaluation of three granular systemic insecticides for control of the aphids Eulachnus agilis and Cinara pinea on scotch pine.
8782

EULOPHIDAE
Factors affecting the sex ratio of Aphytis proclia Wlk. (Hymenoptera, Aphelinidae), external parasite on the San Jose scale.
8873

Factors influencing egg survival of Scolypopa australis Walker (Hemiptera-Homoptera: Ricaniidae) in the Sydney area (N. S. W. Australia).
9005

Some ecological observations and results of the control of Argyresthia fundella F. R.
9022

EUMENIDAE
New genera of Neotropical Eumenidae (Hymenoptera).
8688

EVAPORATION
Soil water measured.
8923

EXCRETA
Intoxification of swine with noxious gases.
9095

EXPERIMENTAL INSECTS
Predators pitted against cereal leaf beetle.
8696

The action of Tepa on the adults of Dacus oleae Gmel. (Diptera: Tephritidae) as a function of the quantity of the chemosterilant used.
8757

Pathogenicity of a nuclear-polyhedrosis virus of the beet armyworm, Spodoptera exigua.
8774

Time required for development of Voria ruralis and its host, the cabbage looper, at different temperatures.
8775

Simultaneous infection with the nucleopolyhedrosis and granulosis viruses of Trichoplusia ni.
8800

The method and role of vertical transmission of a nucleopolyhedrosis virus in the European spruce fly, Diprion hercyniae.
8818

The group effect in the tests on insecticide resistance in Aedes aegypti.
8847

EXPOSURE
Colitis X (exhaustion shock) in a pregnant mare.
9076

EXTRACTION
On the primary stages of orthophosphate absorbtion by mycelium of Penicillium chrysogenum.
9202

EXTRACTS
Yeast sporulation and RNA as affected by gibberellic acid.
9198

Toxicity of tall fescue to rape and birdfoot trefoil seeds and seedlings.
9210

EYES
Discrimination between movements of eye and object by visual interneurones of crickets.
8826

Homograft of the tarsus into the place of the eye in the phasmid Sipyloidea sipylus W.
8888

FAGOPYRUM TATARICUM
The influence of environment on the phytotoxicity of dicamba, picloram, bromoxynil and 2,4-D ester.
9041

FAIRY RINGS
Control of fairy ring disease of the cultivated cranberry.
9001

FASCIOLA HEPATICA
Synergism in the chemotherapy of Fascioliasis.
9084

Host-parasite relationships of Fasciola hepatica in the white mouse. III. Worm transfer.
9131

FAT BODY
The existence of lysosomic inclusions in the adipose cells of Periplaneta americana (Blattidae).
8759

Cytopathology of a nucleopolyhedrosis of the beet armyworm, Spodoptera exigua.
8773

Teratology of the beetle Tenebrio molitor. IV. Ultrastructure of the necrotic fat body and foregut associated with the pupal-winged adult.
8866

FATTY ACIDS
Ascorbic acid and unsaturated fatty acids in the nutrition of the Egyptian cotton leafworm, Prodenia litura.
8795

Fatty acids, methyl esters and insect growth.
8809

A role for phospholipid hydrolysis in the lysis of Escherichia coli infected with bacteriophage T4.
9068

Lipid metabolism in the fruit of Persea americana Mill. I. Studies on the chemical composition of lipids and their changes during fruit development and storage.
9201

FECES
The metabolism of Bayer 9017 in calves.
9184

FEED
House fly pupae as food for poultry.
9053

Avian nephrosis associated with high dietary calcium. (Abstract).
9111

Residues of Thimet on green and on field-dried alfalfa.
9160

FEED ADDITIVES
How beneficial are feed additives.
9059

Balance cows' minerals to defeat milk fever.
9089

FEED CONTAMINATION
A common source epizootic of bovine salmonellosis in Manitoba.
9120

FEEDING
Feeding responses by Hylurgopinus rufipes to combined chemical and physical stimuli.
8715

Bionomic notes on the solitary Evylaeus oenotherae (Stevens) (Hymenoptera: Halictinae), a matinal summer bee visiting cultivated Onagraceae.
8785

FEEDLOTS
How beneficial are feed additives.
9059

FENTHION
Acute cutaneous toxicity of certain organophosphorous insecticides. I. Lebayeid.
9172

FERBAM
Control of fairy ring disease of the cultivated cranberry.
9001

FERTILITY
Mortality, longevity, and fecundity of spider mites on cotton treated with systemic acaricides.
8692

Effect of biotin on the fertility of the yellow fever mosquito, Aedes aegypti (L.).
8833

Fight stalk rot with right fertility.
8978

FERTILIZERS
Irrigated sugar-cane in Rhodesia.
8925

Some features of the physiology of dormancy in black currant plants in connection with the effect of gibberellin.
9199

FESTUCA ARUNDINACEA
Toxicity of tall fescue to rape and birdfoot trefoil seeds and seedlings.
9210

FIELD MICE
Meadow vole used in hay research.
9052

FIJI DISEASE
Virus-like particles in galls on sugarcane plants affected by Fiji disease.
8994

FILARIASIS
The asexual cycle of a filarial (worm), Saurositus agamae hamoni n. ssp. (Eufilariinae) in Anopheles stephensi.
8701

Infection experiments with the cotton rat filaria Litomosoides carinii in Mastomys natalensis (Smith, 1834).
9127

FILATIMA EPULATRIX
Two species of apple-feeding gelechiids new to science (Lepidoptera).
8640

FILTERS
Stimulation of porcine splenic cultures by a radiationinduced lymphoid leukemia filtrate: a preliminary report.
9078

FISH
Morphology, physiology, and serology of a Pasteurella species pathogenic for white perch (Roccus americanus).
9081

Studies on effects of forest sprayings with insecticides, 1952-63, on fish and aquatic invertebrates in New Brunswick streams: Introduction and summary.
9144

DDT residues in a East Coast estuary, a case of biological concentration of a persistent insecticide.
9145

Survival of fish in 164 herbicides, insecticides, fungicides, wetting agents and miscellaneous substances.
9167

FISSOCATOPS
Two new Catopidae genera from Europe (analysis of the nigrita group in the genus Catops).
8690

FLAGELLA
On the Schizophyta-like appearance of the flagella of termite symbionts.
8790

Sense organs on the antennal flagellum of a giant cockroach, Gromphadorhina portentosa, and a comparison with those of several other species (Dictyoptera, Blattaria).
8856

FLAME IONIZATION DETECTOR
Rubidium sulfate flame detector: Effect of design of alkali source and anode on sensitivity and stability.
9222

FLIGHT
Gel electrophoresis of some dehydrogenases from flight muscles of tsetse flies (Glossina morsitans) and houseflies (Musca domestica).
8815

FLIGHT ACTIVITY
A Light mill for studies with the Mexican fruit fly.
8727

FLORISIL
Recovery of 65 organophosphorus pesticides from Florisil with a new solvent elution system.
9148

FLUORESCENCE MICROSCOPES
The pathogenesis of the glomerulopathy in Aleutian disease. (Abstract).
9077

FLUORESCENT ANTIBODY TECHNIC
Immunofluorescence studies on the multiplication of cytoplasmic-polyhedrosis virus of the silkworm, Bombyx mori.
8781

FLUORESCENT DYES
Use of a genetically marked strain to evaluate the retention of marking dyes by released screwworm flies.
8768

FLUORESCENT SUBSTANCES
The fluorescent particle spray droplet tracer method.
9230

The optimum size for insecticide spray droplets.
9231

FLUORINE COMPOUNDS
Experiments on the control of Gloeosporium fruit rots by field sprays. With an Addendum on: Harvest residues of dichlofluanid.
9140

FLUOROETHYL(4-BIPHENYLYL)ACETATE, 2-
Winter control of the European red mite, Panonychus ulmi, and certain fruit insects by M-2060 (2-fluoroethyl(4-biphenylyl)acetate) in Italy.
8691

FLUOROMETRY
Fluorometric determination of pesticides.
9229

FOLIAGE
The method and role of vertical transmission of a nucleopolyhedrosis virus in the European spruce fly, Diprion hercyniae.
8818

FOMES IGNIARIUS
The role of glucose in stimulating germination of Fomes igniarius var. populinus basidiospores.
8971

FOOD ADDITIVES
Pesticide residues in foods in relation to human health.
9170

FOOD CONSUMPTION
Effect of food intake on growth and survival of salmonellas and Escherichia coli in the bovine rumen.
9064

Charcoal diet for cattle.
9146

FOOD CONTAMINATION
Agricultural microbiology.
8980

Report on analytical entomology of food and drugs.
9141

Charcoal diet for cattle.
9146

Residue analysis in the dairy industry. in Zwig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. 1. principles, methods, and general application.
9157

Residues of Thimet on green and on field-dried alfalfa.
9160

FOOD HABITS
The hunt of the wasps at Jackson Hole.
8627

Feeding behavior of larvae of the western corn rootworm: Normal larvae and larvae maxillectomized with laser radiation.
8718

Phytophagous ground beetles.
8776

Chemosensory relationship between Epilachna vigintiocto-punctata and its host plant, Luffa aegyptiaca.
8788

Observations on the immature stages of Cordilura (Achaetella) deceptiva and C. (A.) varipes.
8817

A new technique to observe the activity of cambium miners.
8855

Feeding habits of larvae of seven Rhyacophila (Trichoptera: Rhyacophilidae) species with notes on other life-history features.
8882

Field notes on a feeding swarm of Cheiroplatys clunalis.
8908

Role of winter cress, Barbarea vulgaris, as a temporal host in the seasonal development of the crucifer fauna.
9020

FOOD NUTRITIVE VALUE
Charcoal diet for cattle.
9146

FOOD PLANTS
The varied fare of the honeybee.
8811

FOOD PROCESSING
Distribution and stability of DDE, DDD, and DDT in Monterey and cheddar cheese during manufacture and storage.
9137

FOOD SANITATION
Comparison of white gasoline and n-heptane for recovery of insect fragments and rodent hairs from food products.
9142

FOOD STORAGE
Distribution and stability of DDE, DDD, and DDT in Monterey and cheddar cheese during manufacture and storage.
9137

FORAGE PLANTS
Meadow vole used in hay research.
9052

FOREST INSECTS
A review of lepidopterous pests of coniferous forests in the Baykal Region.
9019

FORESTS
Aerial spraying of forests: Notes for landowners.
9034

Studies on effects of forest sprayings with insecticides, 1952-63, on fish and aquatic invertebrates in New Brunswick streams: Introduction and summary.
9144

FORMICA
Notes on the systematics and dulosis of some western species of Formica, subgenus Raptiformica (Hymenoptera: Formicidae).
8675

FORMICIDAE
Variation in behavior among obligate acacia-ants from the same colony (Pseudomyrmex nigrocincta).
8709

Ecological research in the Lamto Savannah (Ivory Coast): Preliminary data on the populations of terrestrial ants.
8794

The raiding behavior of Polyergus lucidus lucidus in central Illinois (Hymenoptera: Formicidae).
8803

The part queens play in the making and advent of gynes in the colonies of the ant Dolichoderus quadripunctatus.
8885

Effect of insecticides on ant and spider populations in Louisiana sugarcane fields.
9015

FORMULATIONS
Report on pesticide formulations.
9220

The fluorescent particle spray droplet tracer method.
9230

Do anticoagulant concentrates contain excessive amounts of inert ingredients .
9234

FOWL CHOLERA
Studies on haematological response in fowl to Pasteurella septica (avian). I. Response to inoculation of virulent culture.
9112

FOWL PLAGUE VIRUS
Ribonucleic acid synthesis in chick embryo cells infected with fowl-plague virus.
9114

FRUIT
Winter control of the European red mite, Panonychus ulmi, and certain fruit insects by M-2060 (2-fluoroethyl(4-biphenylyl)acetate) in Italy.
8691

Differentiation of parasitized and unparasitized pupae of the melon fly and Oriental and Mediterranean fruit flies.
8816

Utility of arecanut husk in horticulture. .
8927

Problems of the month.
8932

Wound dressings for the prevention of silver-leaf in fruittrees caused by Stereum purpureum (Pers.) Fr.
8946

The preservation of fruit.
9139

Experiments on the control of Gloeosporium fruit rots by field sprays. With an Addendum on: Harvest residues of dichlofluanid.
9140

Acetonitrile extraction and determination of carbaryl in fruits and vegetables.
9158

FRUIT ROT
A fruit rot of strawberries caused by Zythia fragariae.
8986

FULGOROIDEA
Some African Fulgoroidea in the United States National Museum.
8679

FUMARIC ACID
Isolation of fumaric acid from silkworm pupas as a causative agent to release reducing sugars in embryoless rice endosperms.
8878

FUMIGANTS
IUPAC commission on the development, improvement, and standardization of methods of pesticide residue analysis.
9224

Report on fungicides, fumigants, and miscellaneous.
9243

FUMIGATION
Should Michigan forget about peaches.
8928

FUNGI
Experiments with Beauveria bassiana (Bals) Vuill. against Blastophagus piniperda L. (Col., Scolytidae).
8822

Effect of 2-deoxy-D-glucose on the respiration of tropical anthracnose fungi.
8952

On the primary stages of orthophosphate absorbtion by mycelium of Penicillium chrysogenum.
9202

On the structure of the glycerol teichoic acid from the cell wall of Actinomyces antibioticus-39. zaretskaja, m s.
9238

FUNGICIDES
Sensitivity of Rhizobium species to certain fungicides.
8933

Control of gladiolus corm diseases in field and storage.
8934

Wound dressings for the prevention of silver-leaf in fruittrees caused by Stereum purpureum (Pers.) Fr.
8946

Effect of storage treatments and fungicides on sprouting, flowering and gladiolus corm production.
8947

Chemical control of pea root rot by soil-incorporation and in-furrow treatments with 1-chloro-2-nitropropane.
8954

The strategy of finding fungicides.
8959

Pentachlorobenzyl alcohol, a rice blast control agent.
8960

On the fungicidal action of phenylmercuric compounds.
8961

Fungicidal action of organophosphorus compounds.
8963

Factors affecting severity of seedling blight of corn in the United Arab Republic.
8976

The therapeutic effect of Thiabendazole, 2-(4-thiazolyl) benzimidazole, against Cercospora leaf spot on sugar beets when applied as a soil drench.
8991

Control of fairy ring disease of the cultivated cranberry.
9001

Experiments on the control of Gloeosporium fruit rots by field sprays. With an Addendum on: Harvest residues of dichlofluanid.
9140

Modification of the carbon disulfide evolution method for dithiocarbamate residues.
9154

Survival of fish in 164 herbicides, insecticides, fungicides, wetting agents and miscellaneous substances.
9167

IUPAC commission on the development, improvement, and standardization of methods of pesticide residue analysis.
9224

Long-chain bisphenol esters. Patent 3,427,345.
9232

A note on paper disk method for laboratory fungicidal bioassay.
9241

Report on fungicides, fumigants, and miscellaneous.
9243

FUNGUS DISEASES (ANIMALS)
The fine structure of Nosema sp. Sprague, 1965 (Microsporida, Nosematidae) with particular reference to stages in sporogony.
9118

FUNGUS DISEASES (PLANTS)
Irrigated sugar-cane in Rhodesia.
8925

Problems of the month.
8932

Control of gladiolus corm diseases in field and storage.
8934

Infection of cotton by Aspergillus flavus: Time of infection and the influence of fiber moisture.
8935

Studies on the mode of action of inorganic nitrogenous amendments on Sclerotium rolfsii in soil.
8936

The surface localization of polygalacturonase in spores of Geotrichum candidum.
8937

Phytophthora leaf fall and pod rot of Hevea brasiliensis in Thailand.
8939

The development of resistance in Cladosporium cucumerinum against 6-azauracil, a chemotherapeutant of cucumber scab, and its relation to biosynthesis of RNA-PRECURSORS.
8944

Wound dressings for the prevention of silver-leaf in fruittrees caused by Stereum purpureum (Pers.) Fr.
8946

Effect of storage treatments and fungicides on sprouting, flowering and gladiolus corm production.
8947

Effects of sloping land drainage on alfalfa crown rot.
8949

Studies on the nutrition and development of Gaeumannomyces graminis (Sacc.) von Arx et Olivier, the causal organism of the take-all disease of cereals.
8951

Exclusive hypovirulence, an original phenomenon in vegetable pathology.
8953

Chemical control of pea root rot by soil-incorporation and in-furrow treatments with 1-chloro-2-nitropropane.
8954

Infection of Merion bluegrass, Poa pratensis, by stripe smut, Ustilago striiformis.
8957

Pattern of cell death in sorghum stalk tissue as a measure of the susceptibility to spread of Colletotrichum graminicola in fifty-five sorghum varieties.
8965

Sporulation of Cephalosporium gregatum on naturally infested soybean straw.
8967

A technique for studying inhibition of the parasitic activity of Ophiobolus graminis (Sacc.) Sacc. in field soils.
8969

The role of glucose in stimulating germination of Fomes igniarius var. populinus basidiospores.
8971

A serological comparison of six heterothallic species of Phytophthora.
8973

Role of Pythium in damping-off of peach.
8975

Factors affecting severity of seedling blight of corn in the United Arab Republic.
8976

Fungi causing seedling blight of corn in the United Arab Republic.
8977

Fight stalk rot with right fertility.
8978

Effects of the fungus Erysiphe graminis f. sp. hordei Marchal on the transpiration of barley.
8979

Temperature response of seeds during the early phases of germination and its relation to injury by Rhizoctonia solani.
8983

New or uncommon plant diseases and pests; smut (Entyloma compositarum) of Gaillardia aristata Pursh.
8985

A fruit rot of strawberries caused by Zythia fragariae.
8986

Occurrence of brown spot on tobacco in Kentucky in 1966.
8989

Calonectria floridana sp. nov., the perfect stage of Cylindrocladium floridanum.
8990

The therapeutic effect of Thiabendazole, 2-(4-thiazolyl) benzimidazole, against Cercospora leaf spot on sugar beets when applied as a soil drench.
8991

A phosphatidase produced by Sclerotium rolfsii.
8995

Presence of two tree vascular diseases confirmed in Arkansas.
9000

Control of fairy ring disease of the cultivated cranberry.
9001

Experiments on the control of Gloeosporium fruit rots by field sprays. With an Addendum on: Harvest residues of dichlofluanid.
9140

Oxidative enzymes of Ceratocystis fimbriata isolates differing in host specificity.
9204

FUSARIUM MONILIFORME
Factors affecting severity of seedling blight of corn in the United Arab Republic.
8976

Fungi causing seedling blight of corn in the United Arab Republic.
8977

The downy mildew and stalk rot diseases of maize.
8987

FUSARIUM OXYSPORUM GLADIOLI
Control of gladiolus corm diseases in field and storage.
8934

Effect of storage treatments and fungicides on sprouting, flowering and gladiolus corm production.
8947

FUSARIUM OXYSPORUM PERNICIOSUM
Presence of two tree vascular diseases confirmed in Arkansas.
9000

FUSARIUM OXYSPORUM PISI
Chemical control of pea root rot by soil-incorporation and in-furrow treatments with 1-chloro-2-nitropropane.
8954

FUSARIUM SOLANI PISI
Chemical control of pea root rot by soil-incorporation and in-furrow treatments with 1-chloro-2-nitropropane.
8954

GAILLARDIA
New or uncommon plant diseases and pests; smut (Entyloma compositarum) of Gaillardia aristata Pursh.
8985

GALLERIA MELLONELLA
Analysis of the structure of the pore ducts in the favorable case offered by the tegument of Galleria mellonella nymphs.
8703

Endotoxins from several bacterial species as immunizing agents against Pseudomonas aeruginosa in Galleria mellonella.
8725

Rearing Phryxe caudata Rond. (Larvaevoridae), a parasite of Thaumetopoaea pytocampa Schiff. on an alternate host: Galleria mellonella.
8744

Respiration of blastospores of the fungus Beauveria bassiana during submersed cultivation in the presence of certain sugars.
8846

Purification and some properties of Chilo iridescent virus.
8883

GANGLION CELLS
Cycloheximide, amino acid incorporation and learning in the isolated cockroach ganglion.
8720

GAS POISONING
Intoxification of swine with noxious gases.
9095

GASES
Physico-chemical studies on the absorption of pesticides by the insect cuticle and peneration to the insect body.
8874

GASTROINTESTINAL SYSTEM
Alkaline phosphatase in the digestive system of the desert locust, Schistocerca gregaria (Forskal).
8699

Esterases and phosphatases in the gastric secretion of the cockroach, Periplaneta americana.
8733

Some observations on the morphology and histology of the alimentary canal of the fruit-sucking moth Serrodes inara Cram. (Lepidoptera: Noctuidae).
8791

Teratology of the beetle Tenebrio molitor. IV. Ultrastructure of the neerotic fat body and foregut associated with the pupal-winged adult.
8866

The formation of tumorlike lesions in the cockroach Leucophaea maderae after anal blockage.
8880

Etiologic factors of gastric ulcers in swine.
9086

GELECHIIDAE
Two species of apple-feeding gelechiids new to science (Lepidoptera).
8640

GELIS
Some ecological observations and results of the control of Argyresthia fundella F. R.
9022

GENETICS
Seasonal history and response to insecticides of Heliothis species on cotton.
9032

GEOTRICHUM CANDIDUM
The surface localization of polygalacturonase in spores of Geotrichum candidum.
8937

GEOTROPISM
2,3,6-trichlorobenzoic and 2,6-dichlorobenzoic acid interference with phototropic and geotropic responses of seedlings.
9213

GERRIDAE
The aquatic and semiaquatic Hemiptera in Oklahoma.
8667

GIBBERELLA
Fight stalk rot with right fertility.
8978

GIBBERELLA ZEAE
Factors affecting severity of seedling blight of corn in the United Arab Republic.
8976

Fungi causing seedling blight of corn in the United Arab Republic.
8977

GIBBERELLIC ACID
Yeast sporulation and RNA as affected by gibberellic acid.
9198

GIBBERELLINS
Some features of the physiology of dormancy in black currant plants in connection with the effect of gibberellin.
9199

GLADIOLUS
Control of gladiolus corm diseases in field and storage.
8934

Effect of storage treatments and fungicides on sprouting, flowering and gladiolus corm production.
8947

GLANDS (INSECTS)
The action of the endocrine system and the ovary on the hemogram of Locusta migratoria L. (Orthoptera). The role of the ventral gland.
8771

GLOEOSPORIUM MUSARUM
Effect of 2-deoxy-D-glucose on the respiration of tropical anthracnose fungi.
8952

GLOESPORIUM
Problems of the month.
8932

GLOMERULITIS
The pathogenesis of the glomerulopathy in Aleutian disease. (Abstract).
9077

GLOSSINA MORSITANS
Gel electrophoresis of some dehydrogenases from flight muscles of tsetse flies (Glossina morsitans) and houseflies (Musca domestica).
8815

GLUCITOL
Some effects of sublethal heat on spores of Nosema apis.
8890

GLUCOSE
Effect of DDT on incorporation of C14-labeled glucose into protein and soluble intermediates of nymphal Triatoma infestans.
8743

Electrophysiological study of contact chemoreceptors in bloodsucking Diptera.
8907

Pea enation mosaic virus: Glucose catabolism in leaves and pods of infected peas.
8938

The role of glucose in stimulating germination of Fomes igniarius var. populinus basidiospores.
8971

The metabolism of carbon-14 specifically labelled glucose in leaves showing tobacco mosaic virus induced local necrotic lesions.
9205

GLUTAMIC ACID
Glutamic acid requirements of the saw-toothed grain beetle, Oryzaephilus surinamensis (L.) (Coleoptera, Silvanidae).
8741

GLUTATHIONE REDUCTASE
Effects of light and 2,4-dichlorophenoxyacetic acid on the glutathione reductase and other NADP-UTILIZING enzymes of excised cotton cotyledons.
9187

GLYCOPEPTIDES
Biological activity of a phytotoxic glycopeptide produced by Corynebacterium sepedonicum.
9180

GLYCOSIDES
Toxicity of ouabain (G-Strophanthin) to adult house flies.
8764

GLYPTOSCELIS PUBESCENS
Microctonus glyptoscelis n. sp., a parasite of Glyptoscelis pubescens (F.) in Wisconsin (Hymenoptera: Braconidae: Euphorinae and Coleoptera: Chrysomelidae).
8648

GOATS
Control of thar (Hemitragus jemlahicus): Evaluation of a poisoning technique.
9051

GRAIN
Alate aphids trapped over 8 years at two sites in Canterbury, New Zealand.
8798

Hypnoidus riparius (Fabricius), a possible agricultural pest from Europe (Coleoptera: Elateridae).
8868

Studies on the nutrition and development of Gaeumannomyces graminis (Sacc.) von Arx et Olivier, the causal organism of the take-all disease of cereals.
8951

Giving crops field-to-table protection.
9248

GRANULOSES
Simultaneous infection with the nucleopolyhedrosis and granulosis viruses of Trichoplusia ni.
8800

GRASSES
Hypnoidus riparius (Fabricius), a possible agricultural pest from Europe (Coleoptera: Elateridae).
8868

The distribution of the family Heteroderidae (Filipjev, 1934) in South Africa and some host records of Meloidogyne species.
9026

Investigations on the migratory root nematode Pratylenchus neglectus on fodder grasses.
9033

Alteration of plant growth habit as a means of controlling rhizomatous species.
9037

Iminodioxolanes as herbicides. Patent 3,427,147.
9040

Herbicidal activity of some pyridazine derivates. Part III. 3-phenoxypyridazines and related compounds.
9042

Balance cows' minerals to defeat milk fever.
9089

Growth response of turfgrasses to several herbicides.
9211

GREENHOUSE CULTURE
Chemical control of pea root rot hy soil-incorporation and in-furrow treatments with 1-chloro-2-nitropropane.
8954

Factors affecting severity of seedling blight of corn in the United Arab Republic.
8976

GROMPHADORHINA PORTENTOSA
Sense organs on the antennal flagellum of a giant cockroach, Gromphadorhina portentosa, and a comparison with those of several other species (Dictyoptera, Blattaria).
8856

GROWTH FACTORS
Fatty acids, methyl esters and insect growth.
8809

Factors affecting the sex ratio of Aphytis proclia Wlk. (Hymenoptera, Aphelinidae), external parasite on the San Jose scale.
8873

Study of the corpus allatum in living larvae of the blow fly Calliphora erythrocephala MG. (Diptera, Calliphoridae).
8877

The development of resistance in Cladosporium cucumerinum against 6-azauracil, a chemotherapeutant of cucumber scab, and its relation to biosynthesis of RNA-PRECURSORS.
8944

Stimulation of porcine splenic cultures by a radiationinduced lymphoid leukemia filtrate: a preliminary report.
9078

GRYLLIDAE
Systematics and acoustic behavior of United States crickets of the genus Orocharis (Orthoptera: Gryllidae).
8686

GRYLLODES SIGILLATUS
Fatty acids, methyl esters and insect growth.
8809

GRYLLUS CAMPESTRIS
Ecological studies of the field cricket, Gryllus campestris L. .
8887

GUANINE
Glutamic acid requirements of the saw-toothed grain beetle, Oryzaephilus surinamensis (L.) (Coleoptera, Silvanidae).
8741

GUAVAS
Occurrence of plant growth inhibitors in tropical and subtropical vegetation.
9189

GUINEA PIGS
Further evaluation of animal systemic insecticides, 1968.
9126

GUMBORO DISEASE
Avian nephrosis associated with high dietary calcium. (Abstract).
9111

GYNANDROMORPHISM
The part queens play in the making and advent of gynes in the colonies of the ant Dolichoderus quadripunctatus.
8885

HABITATS
Chronological study of the function of the ovary in the Hypogastruridae. Cavern-living and epigeous Collembola: Typhlogastrura halazuei Delamare and Ceratophysella engadinensis Gisin.
8881

HAEMATOBIA IRRITANS
Brahman breeding as a factor affecting the attractiveness or repellency of cattle to the horn fly.
8886

HAEMONCHUS CONTORTUS
Polioencephalomalacia (cerebrocortical necrosis).
9090

Utilization of tricarboxylic acid cycle intermediates hy Haemonchus contortus larvae.
9133

Further experiments with low-level feeding of Thiabendazole to lambs.
9135

HAIR
The hastate setae of certain dermestid larvae: an entangling defense mechanism.
8824

Electrophysiological study of contact chemoreceptors in bloodsucking Diptera.
8907

Comparison of white gasoline and n-heptane for recovery of insect fragments and rodent hairs from food products.
9142

HALICTIDAE
Bionomic notes on the solitary Evylaeus oenotherae (Stevens) (Hymenoptera: Halictinae), a matinal summer bee visiting cultivated Onagraceae.
8785

HALOGEN COMPOUNDS
Certain 2-alkanoylamino-5-halothiazoles. Patent 3,427,318.
9036

HAMSTERS
Multiple antigenic components of the group-specific antigen of the avian leukosis-sarcoma viruses.
9109

HAY
Meadow vole used in hay research.
9052

HEAT
Heat effects on the infectivity of the nuclear polyhedrosis virus of Heliothis spp.
8801

The gas chromatographic examination of organophosphorus pesticides. IV. The effect of cooking on organophosphorus pesticide residues.
9147

HEBRIDAE
Hebridae (Hemiptera) of Oklahoma.
8668

HELEOMYZIDAE
The postabdomen of Cinderella, with a new species from Argentina (Diptera: Heleomyzidae).
8678

HELIOTHIS
Seasonal history and response to insecticides of Heliothis species on cotton.
9032

HELIOTHIS ARMIGERA
A contribution to the study of the Greek species injurious to corn, of the genus Sesamia (Lepidoptera-Noctuidae).
8865

HELIOTHIS VIRESCENS
Heat effects on the infectivity of the nuclear polyhedrosis virus of Heliothis spp.
8801

A technique for rearing larvae of the bollworm and tobacco budworm in large numbers.
8840

HELIOTHIS ZEA
Response of flying bollworm moths and other tympanate moths to pulsed ultrasound.
8693

The nucleopolyhedrosis virus of Heliothis: Quantitative in vivo estimates of virulence.
8694

Heat effects on the infectivity of the nuclear polyhedrosis virus of Heliothis spp.
8801

A technique for rearing larvae of the bollworm and tobacco budworm in large numbers.
8840

Corn earworm infestation in ripe strawberries.
9017

The optimum size for insecticide spray droplets.
9231

HELMINTHOLOGY
The relation of climatic factors to the duration of the development of Heterodera schachtii in Slovakia (CSSR).
9028

HEMATOLOGY
Studies on haematological response in fowl to Pasteurella septica (avian). I. Response to inoculation of virulent culture.
9112

HEMATOPOIESIS
Hematopoiesis and epiphyseal growth zones in rabbits with molybdenosis.
9183

HEMOGLOBIN
Haemoglobin of Anisops niveus (Notonectidae, Heteroptera).
8829

HEMOGRAMS
The action of the endocrine system and the ovary on the hemogram of Locusta migratoria L. (Orthoptera). The role of the ventral gland.
8771

HEMOLYMPH
Humoral and nervous pathways in photoperiodic induction of diapause in Leptinotarsa decemlineata.
8742

Control of haemolymph lipid concentration during locust flight: An adipokinetic hormone from the corpora cardiaca.
8808

The effects of perfusion on the synthesis and release of blood proteins by diapausing pupae of the Ceeropia silkworm.
8828

Nitrogenous compounds in the haemolymph of the cricket, Acheta domesticus.
8894

HEPTACHLOR
Effect of insecticides on ant and spider populations in Louisiana sugarcane fields.
9015

HEPTACHLOR EPOXIDE
Comparison of four extraction and cleanup procedures for chlorinated pesticide residues in eggs.
9164

HEPTANE
Comparison of white gasoline and n-heptane for recovery of insect fragments and rodent hairs from food products.
9142

HERBICIDES
Are herbicides doing their job .
9035

Certain 2-alkanoylamino-5-halothiazoles. Patent 3,427,318.
9036

Alteration of plant growth habit as a means of controlling rhizomatous species.
9037

Evaluation of herbicides applied to the soil for weed control in irrigated sugar beets.
9039

Iminodioxolanes as herbicides. Patent 3,427,147.
9040

The influence of environment on the phytotoxicity of dicamba, picloram, bromoxynil and 2,4-D ester.
9041

Herbicidal activity of some pyridazine derivates. Part III. 3-phenoxypyridazines and related compounds.
9042

Similarity between phytokinins and herbicidal phenylurethanes.
9043

Chemical weed control in cotton: I. Growth and yield response of cotton plants to some herbicides.
9045

Weed control in cotton.
9046

Phenoxypyridazines as herbicides. Patent 3,427,146.
9047

Effects of five herbicides on three green algae.
9048

Note on the determination of some chlorophenoxy herbicides and their esters in water.
9143

Survival of fish in 164 herbicides, insecticides, fungicides, wetting agents and miscellaneous substances.
9167

Creeping Charlie uses aqualin to kill aquatic weeds.
9186

Role of RNA metabolism in the action of auxin-herbicides.
9194

The effects of combinations of preemergence herbicides and systemic insecticides on cotton stands and yields.
9196

Comparison of the movement and vascular differentiation effects of the endogenous auxin and of phenoxyacetic weedkillers in stems and petioles of Colens and Phaseolus.
9197

On the mode of action of carbamate herbicides.
9200

Growth response of turfgrasses to several herbicides.
9211

Effect of herbicides on the valuations of made tea.
9212

Mode-of-action of photosynthesis inhibtor herbicides.
9215

Activation and inactivation of herbicides by higher plants.
9235

Report on herbicides and plant growth regulators.
9245

HERPESVIRUSES
Neutralization of canine herpesvirus by dog and human serums: a survey.
9091

A serological comparison of seven strains of bovine herpes mammillitis virus.
9110

HETERODERA SCHACHTII
On the knowledge of the seasonal dynamics of heteroderosis in sugar beets in East-Slovakia (CSSR).
9027

The relation of climatic factors to the duration of the development of Heterodera schachtii in Slovakia (CSSR).
9028

HETERODINAE
The distribution of the family Heteroderidae (Filipjev, 1934) in South Africa and some host records of Meloidogyne species.
9026

HETEROPTERA
Morphology and relationships of the Pentatomoidea (Heteroptera). III. Natalicolinae and some Tessaratomidae of uncertain position.
8647

HETEROTARSONEMUS LINDQUISTI
Further studies on the Tarsonemidae, II (Acarina).
8672

HEVEA BRASILIENSIS
Phytophthora leaf fall and pod rot of Hevea brasiliensis in Thailand.
8939

HEXAGENIA
The mayfly genus Hexagenia in Mexico (Ephemeroptera: Ephemeridae).
8651

HIBERNATION
Life history of the boll weevil in field cages.
8772

Life history of Upis ceramboides at Fairbanks, Alaska.
8780

Bionomic notes on the solitary Evylaeus oenotherae (Stevens) (Hymenoptera: Halictinae), a matinal summer bee visiting cultivated Onagraceae.
8785

Preliminary studies of the release in 1965 on the island of Chalki, of Opius concolor Szepl. (Hymen, Braconidae) a parasite of Dacus oleae Gmel. (Dipt. Trypetidae).
8864

HISPINAE
Hispinae of Peru, collected by von W. Weyrauch. (228. Contribution to the knowledge of the Hispinae, Coleopt., Chrysomelidae).
8683

HISTOCHEMISTRY
The presence of diaminopimelic acid in the Rickettsiae.
9097

Progress in the knowledge of natural plant growth regulators.
9208

HISTOLOGY
A differential staining technique for a mosquito iridescent virus.
8807

HISTORY
The unnatural history of the ant lion.
8789

HOMOPTERA
Some African Fulgoroidea in the United States National Museum.
8679

The subcoxa of the aphid hind leg (Homoptera: Aphididae).
8711

HONEY
The varied fare of the honeybee.
8811

HORMONES
Egg maturation in mosquitoes not regulated by the corpora allata.
8792

Developmental inhibition in Drosophila using dihydroxybenzoic acid isomers.
8793

Two juvenile hormones in Cecropia silk moth.
8810

Comparative production of pheromone by the California red scale reared on lemons and potatoes.
8841

HORNS
Bovine horn cancer: therapeutic experiments with autogenous vaccine.
9098

HORSES
Control of equine piroplasmosis in Florida.
9065

Colitis X (exhaustion shock) in a pregnant mare.
9076

Equine ringworm caused by Trichophyton tonsurans var sulfureum.
9087

Cytology of equine nasal secretions.
9093

Tenosynovitis in the horse.
9121

Notice of filing of petition regarding pesticide chemicals.
9151

HORTICULTURE
Utility of arecanut husk in horticulture..
8927

Chemical growth retardants for bedding plants.
9203

HOST INDEXING (PLANTS)
Agropyron repens and other perennial grasses as hosts of bromegrass mosaic virus from the U.S.S.R. and the United States.
8988

HOST SPECIFICITY
Equine ringworm caused by Trichophyton tonsurans var sulfureum.
9087

HUMAN DISEASES
The natural foci of human transmissive diseases.
8657

The Simulium control scheme at Abuja, Northern Nigeria, and its effect on the prevalence of onchocerciasis in the area.
8919

Growth of Rift Valley fever virus in human diploid (WI-38) cells.
9082

HUMANS
Breath lures bloodsucking bugs.
8920

Neutralization of canine herpesvirus by dog and human serums: a survey.
9091

Chlorinated insecticides in the body fat of people in the United States.
9149

HUMIDITY
Water balance in the firebrat, Thermobia domestica (Packard). Exchanges of water with the atmosphere.
8820

Biology of the spider mite, Tetranychus evansi.
8838

Humidity preference of the alfalfa weevil, Hypera postica, as affected by microenvironmental and physiological conditions.
8863

The relation of climatic factors to the duration of the development of Heterodera schachtii in Slovakia (CSSR).
9028

The influence of environment on the phytotoxicity of dicamba, picloram, bromoxynil and 2,4-D ester.
9041

HYALOPHORA CECROPIA
Two juvenile hormones in Cecropia silk moth.
8810

The effects of perfusion on the synthesis and release of blood proteins by diapausing pupae of the Cecropia silkworm.
8828

HYBOSCIARA FRAGILIS
Studies on cytology and differentiation in Sciaridae. II. DNA redundancy in salivary gland cells of Hybosciara fragilis (Diptera, Sciaridae).
8911

HYBRIDS
A natural hybrid butterfly of the genus Vanessa in New Zealand.
8825

Genetic studies of pea leaf-roll (top-yellows) virus resistance in Pisum sativum.
8942

HYDROCARBONS
Hydrocarbon metabolism in insects: Oxidation of hexadecane-1-C14 in the boll weevil and the house fly.
8777

HYDROGEN-ION CONCENTRATION
Etiologic factors of gastric ulcers in swine.
9086

HYDROLYSIS
On the structure of the glycerol teichoic acid from the cell wall of Actinomyces antibioticus-39. zaretskaja, m s.
9238

HYDROPHILIDAE
Internal damage in an aquatic beetle exposed to sublethal concentrations of inorganic ions.
8905

HYDROPONICS
Fungi causing seedling blight of corn in the United Arab Republic.
8977

Fight stalk rot with right fertility.
8978

HYLEMYA PLATURA
Seed-corn maggot resistance to aldrin in Illinois.
8767

HYLOBIUS PALES
Field observations on the pales weevil, Hylobius pales, in the South Carolina Piedmont.
8721

HYLURGOPINUS RUFIPES
Feeding responses by Hylurgopinus rufipes to combined chemical and physical stimuli.
8715

HYMENOPTERA
Palearctic species of egg parasites of the genus Telenomus haliday (Hymenoptera, Scelionidae, Telenominae).
8645

Notes on the systematics and dulosis of some western species of Formica, subgenus Raptiformica (Hymenoptera: Formicidae).
8675

HYPERA POSTICA
A new record for a parasite of the alfalfa weevil in Eastern United States, Eriplanus micator (Gravenhorst) (Hymenoptera: Ichneumonidae).
8716

How different are the eastern and western forms of the alfalfa weevil .
8740

Humidity preference of the alfalfa weevil, Hypera postica, as affected by microenvironmental and physiological conditions.
8863

HYPERPARASITISM
The natural control of the apple-grass aphid, Rhopalosiphum insertum, with remarks on the control of apple aphids in the Netherlands in general.
8752

HYPNOIDUS RIPARIUS
Hypnoidus riparius (Fahricius), a possihle agricultural pest from Europe (Coleoptera: Elateridae).
8868

HYPODERMA
Further evaluation of animal systemic insecticides, 1968.
9126

HYPODERMA LINEATUM
Integumental absorption versus oral ingestion of phosphate and other materials by common cattle grubs held in vitro.
8726

ICHNEUMONIDAE
A new record for a parasite of the alfalfa weevil in Eastern United States, Eriplanus micator (Gravenhorst) (Hymenoptera: Ichneumonidae).
8716

Some ecological observations and results of the control of Argyresthia fundella F. R.
9022

ILEX VOMITORIA
Occurrence of plant growth inhibitors in tropical and subtropical vegetation.
9189

ILLUSTRATIONS
The fine structure of Nosema sp. Sprague, 1965 (Microsporida, Nosematidae) with particular reference to stages in sporogony.
9118

Biological activity of a phytotoxic glycopeptide produced by Corynehacterium sepedonicum.
9180

IMAGOS
Marking adult boll weevils with dyes fed in a cottonseed oil bait.
8739

An artificial diet for the adult Japanese beetle.
8761

Toxicity of ouabain (G-Strophanthin) to adult house flies.
8764

Morphology of the larval and adult brains of the monarch butterfly, Danaus plexippus plexippus, L.
8821

The adult cervicothoracic musculature of the cockroach, Nauphoeta cinerea (Olivier).
8871

IMMUNITY
(R2B) the Mukteswar virus vaccine and its characters.
9105

IMMUNIZATION
Endotoxins from several bacterial species as immunizing agents against Pseudomonas aeruginosa in Galleria mellonella.
8725

On the merit of simple pricking with R2B (Mukteswar strain) for effective vaccination against New Castle (Ranikhet) disease.
9092

Studies on haematological response in fowl to Pasteurella septica (avian). I. Response to inoculation of virulent culture.
9112

Host-parasite relationships of Fasciola hepatica in the white mouse. III. Worm transfer.
9131

IMMUNODIAGNOSIS
Immunofluorescence studies on the multiplication of cytoplasmic-polyhedrosis virus of the silkworm, Bombyx mori.
8781

IMMUNOLOGY
Infection experiments with the cotton rat filaria Litomosoides carinii in Mastomys natalensis (Smith, 1834).
9127

INCLUSION BODIES
The occurrence of inclusion hodies in leaf epidermis cells of sandal affected with spike disease.
8945

Tohacco etch virus cylindrical inclusions: antigenically unrelated to the causal virus.
8984

INDOLEACETIC ACID
Invasion of plant tissue hy bacteria under in vitro conditions.
8997

Effect of sucrose and indole-3-acetic acid on extension growth of wheat coleoptile segments.
9207

Production of yeast variants by auxin and effects of plant growth regulators on these variants.
9214

INDUSTRY
The preservation of fruit.
9139

Chemical industry produces insecticides as aid to growers in meeting demands of consumers, dr. Ferguson points out.
9225

INFECTIOUS DISEASES
Mycoplasma infections with emphasis on the control of M. gallisepticum.
9061

Mycotoxicosis associated with hemorrhagic enterocolitis and abortion in swine.
9062

Actinobacillus lignieresii infection in a dog.
9067

Failure of chicken antisera against porcine enterovirus strain V13 to neutralize at low dilutions.
9070

Synergism in the chemotherapy of Fascioliasis.
9084

Equine ringworm caused hy Trichophyton tonsurans var sulfureum.
9087

Survey observations on ovine mastitis in New Zealand stud Romney flocks. 2. The bacteriology of ovine mastitis.
9100

Experimental infections of calves with Trichostrongylus axei investigations using abomasal cannulae.
9108

A serological comparison of seven strains of bovine herpes mammillitis virus.
9110

Studies on haematological response in fowl to Pasteurella septica (avian). I. Response to inoculation of virulent culture.
9112

Serological investigation into porcine Brucellosis.
9116

A common source epizootic of bovine salmonellosis in Manitoba.
9120

INFLAMMATION
Tenosynovitis in the horse.
9121

INFRARED RAYS
Chemical mediation of growth movements in dodder.
9038

X-ray diffraction and infrared study of the sulphur granules of Actinomyces bovis.
9073

INHIBITORS
Developmental inhibition in Drosophila using dihydroxybenzoic acid isomers.
8793

Mode-of-action of photosynthesis inhibtor herbicides.
9215

INJURIES
Screwworm fly upsurge.
8698

INORGANIC COMPOUNDS
Internal damage in an aquatic heetle exposed to suhlethal concentrations of inorganic ions.
8905

INSECT ADAPTATION
Screwworm fly upsurge.
8698

Preliminary observations of alpine grasshoppers in a habitat modified by deer and chamois.
8706

The adaptation to aquatic life of the larvae of Muansa clypealis (Homoptera, Cicadidae).
8717

How different are the eastern and western forms of the alfalfa weevil .
8740

Genetic loads and cold temperature resistance in Drosophila pseudoobscura.
8916

INSECT ANATOMY
The subcoxa of the aphid hind leg (Homoptera: Aphididae).
8711

The mandibles of two South American grasshoppers.
8796

Description of immature stages of Noctuiseius treati Prasad (Acarina: Phytoseiidae).
8836

A case of partially reduplicated antenna in Minettia obscura (Loew) (Diptera: Lauxaniidae).
8867

Study of the corpus allatum in living larvae of the blow fly Calliphora erythrocephala MG. (Diptera, Calliphoridae).
8877

INSECT BEHAVIOR
The cavernicolous status of some species of Macropathinae (Orthoptera: Rhaphidophoridae).
8662

Systematics and acoustic behavior of United States crickets of the genus Orocharis (Orthoptera: Gryllidae).
8686

Response of flying bollworm moths and other tympanate moths to pulsed ultrasound.
8693

The lepidopterous stalk borers of rice and their life cycles in the Tropics.
8702

The arthropod cave fauna of the Carlsbad Caverns region. New Mexico.
8704

Variation in behavior among obligate acacia-ants from the same colony (Pseudomyrmex nigrocincta).
8709

Feeding responses by Hylurgopinus rufipes to combined chemical and physical stimuli.
8715

The adaptation to aquatic life of the larvae of Muansa elypealis (Homoptera, Cicadidae).
8717

Feeding behavior of larvae of the western corn rootworm: Normal larvae and larvae maxillectomized with laser radiation.
8718

The development and larval behavior of Stigmella malella Stainton. (Lep. Stigmellidae).
8728

Living doors.
8735

Biology of Melichares tarsalis in association with Plodia interpunctella.
8738

How different are the eastern and western forms of the alfalfa weevil.
8740

Life on the sticky sundew.
8749

Bioassay, preliminary purification, and effect of age, crowding, and mating on the release of sex pheromone by female Tenebrio molitor.
8765

Life history of the boll weevil in field cages.
8772

Phytophagous ground beetles.
8776

The role of gamma-aminobutyric acid in mosquito-host interactions: A hypothesis.
8779

Bionomic notes on the solitary Evylaeus oenotherae (Stevens) (Hymenoptera: Halictinae), a matinal summer bee visiting cultivated Onagraceae.
8785

On the bionomics of the clearwing Chamaespheeia colpiformis (Staudinger, 1850) (Lepidoptera, Sesiidae).
8787

Chemosensory relationship between Epilachna vigintioeto-punctata and its host plant, Luffa aegyptiaca.
8788

The mandibles of two South American grasshoppers.
8796

The raiding behavior of Polyergus lucidus lucidus in central Illinois (Hymenoptera: Formicidae).
8803

The hastate setae of certain dermestid larvae: an entangling defense mechanism.
8824

Tandem linkage in dichoptic and other Anisoptera (Odonata).
8834

Comparative production of pheromone by the California red scale reared on lemons and potatoes.
8841

Effect of male accessory material on oviposition and mating by female house flies.
8842

A new technique to observe the activity of cambium miners.
8855

Mating propensity, chromosomal polymorphism, and dependent conditions in drosophila persimilis. ii. factors between larvae and between adults.
8860

Humidity preference of the alfalfa weevil, Hypera postica, as affected by microenvironmental and physiological conditions.
8863

Feeding habits of larvae of seven Rhyacophila (Trichoptera: Rhyacophilidae) species with notes on other life-history features.
8882

The part queens play in the making and advent of gynes in the colonies of the ant Dolichoderus quadripunctatus.
8885

Brahman breeding as a factor affecting the attractiveness or repellency of cattle to the horn fly.
8886

The influence of infections of nuclear-polyhedrosis virus on adult cabbage loopers and their progeny.
8889

A general method for estimating threshold concentrations of odorant molecules.
8901

Monitoring for audible and ultrasonic sound production by stored-product insects during mating.
8904

Electrophysiological study of contact chemoreceptors in bloodsucking Diptera.
8907

Field notes on a feeding swarm of Cheiroplatys clunalis.
8908

Breath lures bloodsucking bugs.
8920

Role of winter cress, Barbarea vulgaris, as a temporal host in the seasonal development of the crucifer fauna.
9020

INSECT BIOCHEMISTRY

Alkaline phosphatase in the digestive system of the desert locust, Schistocerca gregaria (Forskal).
8699

Free and peptide-bound amino acids during the larval and pupal stages of the yellow-fever mosquito, Aedes aegypti.
8729

Esterases and phosphatases in the gastric secretion of the cockroach, Periplaneta americana.
8733

Marking adult boll weevils with dyes fed in a cottonseed oil bait.
8739

Occurrence of an alkaline phosphomondesterase associated with the brochosomes in the malpighian tubules of Cicadella viridis Lin. (Homoptera).
8762

Bioassay, preliminary purification, and effect of age, crowding, and mating on the release of sex pheromone by female Tenebrio molitor.
8765

Hydrocarbon metabolism in insects: Oxidation of hexadecane-1-C14 in the boll weevil and the house fly.
8777

Acetylcholinesterase polymorphism in the face fly (Diptera: Muscidae).
8786

Developmental inhibition in Drosophila using dihydroxybenzoic acid isomers.
8793

Control of haemolymph lipid concentration during locust flight: An adipokinetic hormone from the corpora cardiaca.
8808

Two juvenile hormones in Cecropia silk moth.
8810

Gel electrophoresis of some dehydrogenases from flight muscles of tsetse flies (Glossina morsitans) and houseflies (Musca domestica).
8815

Comparative production of pheromone by the California red scale reared on lemons and potatoes.
8841

Bursicon mediation of tyrosine hydroxylation during tanning of the adult cuticle of the fly, Sarcophaga bullata.
8853

Sense organs on the antennal flagellum of a giant cockroach, Gromphadorhina portentosa, and a comparison with those of several other species (Dictyoptera, Blattaria).
8856

On the tetrapyrrolic pigments of Lepidoptera,.
8892

Nitrogenous compounds in the haemolymph of the cricket. Acheta domesticus.
8894

Studies on the biosynthesis and degradation of phosphatidylbeta-methylcholine by housefly larvae. (Abstract).
9060

INSECT BIOLOGY

Some Australian parthenogenetic Chironomidae (Diptera).
8626

The black bark beetle, Xylosandrus germanus Blandf., a newcomer to our domestic insect fauna.
8643

Palearctic species of egg parasites of the genus Telenomus haliday (Hymenoptera, Scelionidae, Telenominae).
8645

Biology and phenology of the grasshopper Dociostaurus curvicereus in Israel.
8712

Field observations on the pales weevil, Hylobius pales, in the South Carolina Piedmont.
8721

Living doors.
8735

Biology of Melichares tarsalis in association with Plodia interpunctella.
8738

Rearing Phryxe caudata Rond. (Larvaevoridae), a parasite of Thaumetopoaea pytocampa Schiff. on an alternate host: Galleria mellonella.
8744

The existence of two optional diapauses in the biological cycle of Villa brunnea Beck. (Dipt., Bombyliidae).
8746

Life on the sticky sundew.
8749

The natural control of the apple-grass aphid, Rhopalosiphum insertum, with remarks on the control of apple aphids in the Netherlands in general.
8752

Life history of the boll weevil in field cages.
8772

Life history of Upis ceramboides at Fairbanks, Alaska.
8780

Notes on biology of clerid beetles that attack Ips spp. in upper South Carolina.
8783

Observations on the immature stages of Cordilura (Achaetella) deceptiva and C. (A.) varipes.
8817

Biology of the spider mite, Tetranychus evansi.
8838

A contribution to the study of the Greek species injurious to corn, of the genus Sesamia (Lepidoptera-Noctuidae).
8865

Seasonal history of a unisexual population of the pine needle scale, Phenacaspis pinifoliae.
8870

Feeding habits of larvae of seven Rhyacophila (Trichoptera: Rhyacophilidae) species with notes on other life-history features.
8882

Ecological studies of the field cricket, Gryllus campestris L. .
8887

Life history and some factors affecting the population of Arzama densa in Louisiana.
8891

Hyalomyodes triangulifer parasitizing the cereal leaf beetle, Oulema melanopus.
8897

On the bionomics of Lyctocoris beneficus (Hiura) and Xylocoris galactinus (Fieber) (Anthocoridae, Heteroptera).
9003

The leaf snout weevil of the avocado.
9018

Some ecological observations and results of the control of Argyresthia fundella F. R.
9022

INSECT COLLECTING EQUIPMENT
Concerning the validity of the capture results of insect traps, together with an attitude toward the work of H. Peters, Heidelberg, on synanthropic flies.
8784

INSECT COLOR
A natural hybrid butterfly of the genus Vanessa in New Zealand.
8825

INSECT CONTROL
Predators pitted against cereal leaf beetle.
8696

Mixtures of dichlorvos, pyrethrins and dimethrin in aerosols for controlling houseflies.
8708

Alate aphids trapped over 8 years at two sites in Canterbury, New Zealand.
8798

Trithion-a new acaricide.
8814

Control of mites and aphids on and in bulbs.
8850

The PCO market in tick control.
8859

Breath lures bloodsucking bugs.
8920

Ecology of Utah apple mites: A statement of the problem.
9011

Insect vs men.
9013

The leaf snout weevil of the avocado.
9018

INSECT CULTURES
Etiella zinckenella Treit-a pod borer pest of Crotalaria anagyroides H.B.K.
8778

Study of the corpus allatum in living larvae of the blow fly Calliphora erythrocephala MG. (Diptera, Calliphoridae).
8877

INSECT DISEASES
Entomophthora aquatica sp. n. infecting larvae and pupae of floodwater mosquitoes.
8695

Occult viruses in insects. (Abstract).
8710

Wetanema hula n. gen. et sp., a nematode from the weta Hemideina thoracica (White).
8737

The incidence of parasitism and disease in some populations of the cabbage aphid,(Brevicoryne brassicae L..) in New Zealand.
8799

Histopathological data on amoebiasis in Acrididae.
8805

Comparative toxicites of crystal serotypes of Bacillus thuringiensis for larvae of Philosamia cynthia var. ricini.
8830

Ecological significance of antibiotics of some varieties of Bacillus thuringiensis.
8831

A new virus of Drosophila melanogaster, virus P1.
8835

Sigma virus multiplication in whole-animal culture of Drosophila.
8852

Lack of multiplication of simian virus 40 (SV40) in experimentally infected mosquitoes.
8854

Some effects of sublethal heat on spores of Nosema apis.
8890

Rate of oxygen uptake of healthy and diseased larvae of the Japanese beetle.
8895

INSECT DISSEMINATION
Dispersion of released white-pine weevils in intrastand growth types.
8766

Spring dispersal of some leafhoppers and aphids.
8832

Preliminary studies of the release in 1965 on the island of Chalki, of Opius concolor Szepl. (Hymen, Braconidae) a parasite of Dacus oleae Gmel. (Dipt. Trypetidae).
8864

INSECT ECOLOGY
Proposed faunal affinities of Utah Dytiscidae with the emphasis on the genus Hygrotus Stephens.
8618

Two species of apple-feeding gelechiids new to science (Lepidoptera).
8640

A revision of the genus Chlorocnemis Selys (Odonata).
8659

The genera Neurocyta Navas and Phryganopsyche Wiggins in India (Trichoptera, Phryganeidae, and Phryganopsychidae).
8670

Further studies on the Tarsonemidae, II (Acarina).
8672

The genus Craterocercus Rohwer (Hymenoptera: Tenthredinidae).
8673

Notes on the systematics and dulosis of some western species of Formica, subgenus Raptiformica (Hymenoptera: Formicidae).
8675

Preliminary observations of alpine grasshoppers in a habitat modified by deer and chamois.
8706

Biology and phenology of the grasshopper Dociostaurus curvicercus in Israel.
8712

Dispersion of released white-pine weevils in intrastand growth types.
8766

Bionomic notes on the solitary Evylaeus oenotherae (Stevens) (Hymenoptera: Halictinae), a matinal summer bee visiting cultivated Onagraceae.
8785

On the bionomics of the clearwing Chamaesphecia colpiformis (Staudinger, 1850) (Lepidoptera, Sesiidae).
8787

Ecological research in the Lamto Savannah (Ivory Coast): Preliminary data on the populations of terrestrial ants.
8794

The incidence of parasitism and disease in some populations of the cabbage aphid,(Brevicoryne brassicae L.) in New Zealand.
8799

Trails of the leafcutters.
8812

Hypnoidus riparius (Fabricius), a possible agricultural pest from Europe (Coleoptera: Elateridae).
8868

The limnology of Playa Lakes on the Llano Estacado, New Mexico and Texas.
8872

Ecological studies of the field cricket, Gryllus campestris L. .
8887

Field identification and sex determination of Aphidecta obliterata, an introduced predator of Adelges piceae.
8903

Ecology of Utah apple mites: A statement of the problem.
9011

Some ecological observations and results of the control of Argyresthia fundella F. R.
9022

INSECT EGGS
Palearctic species of egg parasites of the genus Telenomus haliday (Hymenoptera, Scelionidae, Telenominae).
8645

Winter control of the European red mite, Panonychus ulmi, and certain fruit insects by M-2060 (2-fluoroethyl(4-biphenylyl)acetate) in Italy.
8691

Screwworm fly upsurge.
8698

Nucleic acid synthesis in nurse cells of Rhynchosciara angelae Nonato and Pavan, 1951.
8705

The development and larval behavior of Stigmella malella Stainton. (Lep. Stigmellidae).
8728

Female specific protein: Biosynthesis controlled by corpus allatum in Leucophaea maderae.
8750

Description of immature stages of Noctuiscius treati Prasad (Acarina: Phytoseiidae).
8836

The influence of infections of nuclear-polyhedrosis virus on adult cabbage loopers and their progeny.
8889

A temperature effect on nondisjunction of the X chromosomes among eggs from aged Drosophila females.
8912

Factors influencing egg survival of Scolypopa australis Walker (Hemiptera-Homoptera: Ricaniidae) in the Sydney area (N. S. W. Australia).
9005

INSECT EMERGENCE
Distribution and emergence patterns of mayflies Ephemera simulans (Ephemeroptera: Ephemeridae).
8753

INSECT EVOLUTION
The natural foci of human transmissive diseases.
8657

Sex chromosomes and sex determining mechanisms in Odonata, with a review of the cytological conditions in the family Gomphidae, and references to the karyotypic evolution in the order.
8913

INSECT FLIGHT
A Light mill for studies with the Mexican fruit fly.
8727

Control of haemol ymph lipid concentration during locust flight: An adipokinetic hormone from the corpora cardiaca.
8808

INSECT GENETICS
Anomalous dimorphism in Aedes vexans.
8736

The action of Tepa on the adults of Dacus oleae Gmel. (Diptera: Tephritidae) as a function of the quantity of the chemosterilant used.
8757

Use of a genetically marked strain to evaluate the retention of marking dyes by released screwworm flies.
8768

The salivary gland chromosomes of Anopheles pulcherrimus Theobald.
8909

Mosaicism in Habrobracon juglandis associated with the ebony locus.
8910

Studies on cytology and differentiation in Sciaridae. II. DNA redundancy in salivary gland cells of Hyboseiara fragilis (Diptera, Sciaridae).
8911

A temperature effect on nondisjunction of the X chromosomes among eggs from aged Drosophila females.
8912

Sex chromosomes and sex determining mechanisms in Odonata, with a review of the cytological conditions in the family Gomphidae, and references to the karyotypic evolution in the order.
8913

Chemosterilant studies on Braeon sperm. II. Studies of selected compounds for induction of dominant lethal mutations or sperm inactivation.
8914

Spermiogenesis without chromosomes in Drosophila melanogaster.
8915

Genetic loads and cold temperature resistance in Drosophila pseudoobscura.
8916

Experimental studies on spermiogenesis in Drosophila.
8917

Recessive mutants in a wild Drosophila melanogaster population.
8918

INSECT HISTOLOGY

Some observations on the morphology and histology of the alimentary canal of the fruit-sucking moth Serrodes inara Cram. (Lepidoptera: Noctuidae).
8791

Histological and electrophysiological studies on the giant axons of the cockroach Periplaneta americana.
8862

Study of the corpus allatum in living larvae of the blow fly Calliphora erythrocephala MG. (Diptera, Calliphoridae).
8877

The influence of infections of nuclear-polyhedrosis virus on adult cabbage loopers and their progeny.
8889

Iridescent virus from blackfly Simulium ornatum Meigen in Czechoslovakia.
8896

INSECT HORMONES

Control of haemolymph lipid concentration during locust flight: An adipokinetic hormone from the corpora cardiaca.
8808

Study of the corpus allatum in living larvae of the blow fly Calliphora erythrocephala MG. (Diptera, Calliphoridae).
8877

INSECT IDENTIFICATION

Description of new Aretiidae from Madagascar. (lep.) (15th note).
8616

A new Coptotermes (Isoptera, Rhinotermitidae) from Gabon.
8636

First record of Rhagio scolopaceus (Linne) in North America (Diptera: Rhagionidae).
8682

Previously unpublished nocturnals of Madagascar. (Lep.).
8684

Characters for determining sex of pupae of the oakworms Anisota senatoria, A. stigma, and A. virginiensis, and the yellow-necked caterpillar, Datana ministra.
8748

A contribution to the study of the Greek species injurious to corn, of the genus Sesamia (Lepidoptera-Noctuidae).
8865

Field identification and sex determination of Aphidecta obliterata, an introduced predator of Adelges piceae.
8903

INSECT METABOLISM

Effect of DDT on incorporation of C14-labeled glucose into protein and soluble intermediates of nymphal Triatoma infestans.
8743

Hydrocarbon metabolism in insects: Oxidation of hexadecane-1-C14 in the boll weevil and the house fly.
8777

The role of gamma-aminobutyric acid in mosquito-host interactions: A hypothesis.
8779

Water balance in the firebrat, Thermobia domestica (Packard). Exchanges of water with the atmosphere.
8820

Oxygen consumption of the western horse lubber grasshopper.
8899

Utilization of trichloroxylic acid cycle intermediates by Haemonchus contortus larvae.
9133

INSECT MIGRATION

Field observations on the pales weevil, Hylobius pales, in the South Carolina Piedmont.
8721

Migration of an anholocyclic strain of the spotted alfalfa aphid into Nebraska.
8848

Hypnoidus riparius (Fabricius), a possible agricultural pest from Europe (Coleoptera: Elateridae).
8868

INSECT MORPHOLOGY

Fourteen new chrysomelid beetles from Jamaica.
8619

Some Australian parthenogenetic Chironomidae (Diptera).
8626

Two species of apple-feeding gelechiids new to science (Lepidoptera).
8640

Microctonus glyptoscelis n. sp., a parasite of Glyptoscelis pubescens (F.) in Wisconsin (Hymenoptera: Braconidae: Euphorinae and Coleoptera: Chrysomelidae).
8648

The Aradidae of New Zealand (Hemiptera, Heteroptera). III. The Aradinae and Calisiinae.
8656

Further studies on the Tarsonemidae, II (Acarina).
8672

The genus Craterocercus Rohwer (Hymenoptera: Tenthredinidae).
8673

Notes on the systematics and dulosis of some western species of Formica, subgenus Raptiformica (Hymenoptera: Formicidae).
8675

Some African Fulgoroidea in the United States National Museum.
8679

Mallophaga from birds of the Oriental Region. Part IX. Sturnidoecus philippensis, n. sp. (Ischnocera: Philopteridae).
8680

Neuromuscular synapses in the cockroach extensor tibiae muscle.
8700

Analysis of the structure of the pore duets in the favorable case offered by the tegument of Galleria mellonella nymphs.
8703

The subcoxa of the aphid hind leg (Homoptera: Aphididae).
8711

The development and larval behavior of Stigmella malella Stainton. (Lep. Stigmellidae).
8728

Anomalous dimorphism in Aedes vexans.
8736

Characters for determining sex of pupae of the oakworms Anisota senatoria, A. stigma, and A. virginiensis, and the yellow-necked caterpillar, Datana ministra.
8748

Stridulatory files as diffraction gratings in mutillid wasps.
8769

Time required for development of Voria ruralis and its host, the cabbage looper, at different temperatures.
8775

Etiella zinckenella Treit-a pod borer pest of Crotalaria anagyroides H.B.K.
8778

Some observations on the morphology and histology of the alimentary canal of the fruit-sucking moth Serrodes inara Cram. (Lepidoptera: Noctuidae).
8791

Observations on the immature stages of Cordilura (Achaetella) deceptiva and C. (A.) varipes.
8817

Morphology of the larval and adult brains of the monarch butterfly, Danaus plexippus plexippus, L.
8821

A natural hybrid butterfly of the genus Vanessa in New Zealand.
8825

Description of immature stages of Noctuiscius treati Prasad (Acarina: Phytoseiidae).
8836

An electron microscope study of nebenkern formation and differentiation in spermatids of Murgantia histrionica (Hemiptera, Pentatomidae).
8837

Sense organs on the antennal flagellum of a giant cockroach, Gromphadorhina portentosa, and a comparison with those of several other species (Dictyoptera, Blattaria).
8856

Teratology of the beetle Tenebrio molitor. IV. Ultrastructure of the neurotic fat body and foregut associated with the pupal-winged adult.
8866

Hypnoidus riparius (Fabricius), a possible agricultural pest from Europe (Coleoptera: Elateridae).
8868

The adult cervicothoracic musculature of the cockroach, Nauphoeta cinerea (Olivier).
8871

Field identification and sex determination of Aphidecta obliterata, an introduced predator of Adelges piceae.
8903

INSECT MUTATION

The action of actinomycin D on the pigmentation of albino mutants of the locust Locusta migratoria cineraseens L. (Orthop.).
8756

Chemosterilant studies on Braeon sperm. II. Studies of selected compounds for induction of dominant lethal mutations or sperm inactivation.
8914

Recessive mutants in a wild Drosophila melanogaster population.
8918

INSECT NAMES

Morphology and relationships of the Pentatomoidea (Heteroptera). III. Natalicolinae and some Tessaratomidae of uncertain position.
8647

The new genus Fregatiella (Mallophaga: Menoponidae) for Menopon aurifasciatum from the frigate-bird.
8665

INSECT NESTS

A review of the genus Eidmanniella (Mallophaga: Menoponidae) from the Peleeaniformes.
8666

INSECT NESTS

Bionomic notes on the solitary Evylaeus oenotherae (Stevens) (Hymenoptera: Halictinae), a matinal summer bee visiting cultivated Onagraceae.
8785

INSECT NUTRITION

Asynehronous ovarian development in the housefly, Musca domestica L. (diptera: Muscidae), caused by dietary gamma-aminobutyric acid (GABA).
8714

Feeding responses by Hylurgopinus rufipes to combined chemical and physical stimuli.
8715

Glutamic acid requirements of the saw-toothed grain beetle, Oryzaephilus surinamensis (L.) (Coleoptera, Silvanidae).
8741

An artificial diet for the adult Japanese beetle.
8761

Ascorbic acid and unsaturated fatty acids in the nutrition of the Egyptian cotton leafworm, Prodenia litura.
8795

The mandibles of two South American grasshoppers.
8796

Studies on larval development in Culicoides furens (Poey) (Diptera: Ceratopogonidae). I. Establishment of a standard rearing technique.
8797

The varied fare of the honeybee.
8811

Effect of biotin on the fertility of the yellow fever mosquito, Aedes aegypti (L.).
8833

A method of rearing the peach tree borer on artificial diet.
8858

Low-cost larval rearing medium for mass production of Oriental and Mediterranean fruit flies.
8879

Feeding habits of larvae of seven Rhyacophila (Trichoptera: Rhyacophilidae) species with notes on other life-history features.
8882

Field notes on a feeding swarm of Cheiroplatys elunalis.
8908

A review of lepidopterous pests of coniferous forests in the Baykal Region.
9019

INSECT PESTS

Winter control of the European red mite, Panonychus ulmi, and certain fruit insects by M-2060 (2-fluoroethyl(4-biphenylyl)acetate) in Italy.
8691

The lepidopterous stalk borers of rice and their life cycles in the Tropics.
8702

A new record for a parasite of the alfalfa weevil in Eastern United States, Eriplanus micator (Gravenhorst) (Hymenoptera: Ichneumonidae).
8716

The development and larval behavior of Stigmella malella Stainton. (Lep. Stigmellidae).
8728

Lannate - a new insecticide for the control of the giant looper and other pests.
8751

The natural control of the apple-grass aphid, Rhopalosiphum insertum, with remarks on the control of apple aphids in the Netherlands in general.
8752

Alate aphids trapped over 8 years at two sites in Canterbury, New Zealand.
8798

The incidence of parasitism and disease in some populations of the cabbage aphid,(Brevicoryne brassicae L.) in New Zealand.
8799

Trithion-a new acaricide.
8814

A laboratory testing programme for assessing field performance of acaricides against Tetranychus urticae (Koch).
8857

A contribution to the study of the Greek species injurious to corn, of the genus Sesamia (Lepidoptera-Noctuidae).
8865

Hypnoidus riparius (Fabricius), a possible agricultural pest from Europe (Coleoptera: Elateridae).
8868

Method of killing pests by application of a phosphoro derivative of alpha-(methylthio) cresol. Patent 3,427,384.
8875

Mode of action of insecticides on the rice stem borer and development of resistance.
8884

Breath lures bloodsucking bugs.
8920

Team alfalfa scores high.
8926

Problems of the month.
8932

Characteristics of the stopped and scarred damages due to the coddling moth (Laspeyresia pomonella L.) with a method of interpretation of the various forms of damages observed on apples.
9002

Integrated chemical control of insects and biological control of mites on apple in Washington.
9010

Chemical control of the juniper webworm on Irish juniper.
9016

Corn earworm infestation in ripe strawberries.
9017

Experiments on the control of root pests of Brassicae.
9021

INSECT PHYSIOLOGY

Microctonus glyptoseeli n. sp., a parasite of Glyptoscelis pubescens (F.) in Wisconsin (Hymenoptera: Braconidae: Euphorinae and Coleoptera: Chrysomelidae).
8648

Neuromuscular synapses in the cockroach extensor tibiae muscle.
8700

Asynchronous ovarian development in the housefly, Musca domestica L. (diptera: Muscidae), caused by dietary gamma-aminobutyric acid (GABA).
8714

Study of different types of activities recorded with capillary microelectrodes in the last abdominal ganglion to the cockroach, Periplaneta americana L..
8723

Endotoxins from several bacterial species as immunizing agents against Pseudomonas aeruginosa in Galleria mellonella.
8725

Integumental absorption versus oral ingestion of phosphate and other materials by common cattle grubs held in vitro.
8726

The production of cuticle wax by engorged females of the cattle tick, Boophilus microplus (Canestrini).
8730

Esterases and phosphatases in the gastric secretion of the cockroach, Periplaneta americana.
8733

Nerve-blocking effect of Bacillus thuringiensis protein toxin.
8734

Glutamic acid requirements of the saw-toothed grain beetle, Oryzaephilus surinamensis (L.) (Coleoptera, Silvanidae).
8741

Humoral and nervous pathways in photoperiodic induction of diapause in Leptinotarsa decemlineata.
8742

The existence of two optional diapauses in the biological cycle of Villa hrunnea Beck. (Dipt., Bombyliidae).
8746

The natural control of the apple-grass aphid, Rhopalosiphum insertum, with remarks on the control of apple aphids in the Netherlands in general.
8752

Sexual difference in the activity of pars intercerebralis-corpus cardiacum-corpus allatum system of Bombyx mori.
8755

The action of actinomycin D on the pigmentation of albino mutants of the locust Locusta migratoria cinerascens L. (Orthop.).
8756

Mode of entry of contact insecticides.
8758

On the production of lipoproteic corpuscules by the Malpighian tubes in some insects.
8763

Bioassay, preliminary purification, and effect of age, crowding, and mating on the release of sex pheromone by female Tenebrio molitor.
8765

Stridulatory files as diffraction gratings in mutillid wasps.
8769

The action of the endocrine system and the ovary on the hemogram of Locusta migratoria L. (Orthoptera). The role of the ventral gland.
8771

Life history of the boll weevil in field cages.
8772

Time required for development of Voria ruralis and its host, the cabbage looper, at different temperatures.
8775

Etiella zinckenella Treit-a pod borer pest of Crotalaria anagyroides H.B.K.
8778

Developmental inhibition in Drosophila using dihydroxybenzoic acid isomers.
8793

Ascorbic acid and unsaturated fatty acids in the nutrition of the Egyptian cotton leafworm, Prodenia litura.
8795

Studies on larval development in Culicoides furens (Poey) (Diptera: Ceratopogonidae). I. Establishment of a standard rearing technique.
8797

Sexual characters of the instars of Blaberus discoidalis and an analysis of growth in this cockroach.
8802

Fatty acids, methyl esters and insect growth.
8809

Two juvenile hormones in Cecropia silk moth.
8810

Morphology of the larval and adult brains of the monarch butterfly, Danaus plexippus plexippus, L.
8821

Discrimination between movements of eye and object by visual interneurones of crickets.
8826

The effects of perfusion on the synthesis and release of blood proteins by diapausing pupae of the Cecropia silkworm.
8828

Haemoglobin of Anisops niveus (Notonectidae, Heteroptera).
8829

Effect of biotin on the fertility of the yellow fever mosquito, Aedes aegypti (L.).
8833

Tandem linkage in dichoptic and other Anisoptera (Odonata).
8834

An electron microscope study of nebenkern formation and differentiation in spermatids of Murgantia histrionica (Hemiptera, Pentatomidae).
8837

Selective toxicity of systemic insecticides.
8845

Bursicon mediation of tyrosine hydroxylation during tanning of the adult cuticle of the fly, Sarcophaga bullata.
8853

Organization of the giant axons of the cockroach Periplaneta americana.
8861

Seasonal history of a unisexual population of the pine needle scale, Phenacaspis pinifoliae.
8870

The adult cervicothoracic musculature of the cockroach, Nauphoeta cinerea (Olivier).
8871

Physico-chemical studies on the absorption of pesticides by the insect cuticle and peneration to the insect body.
8874

The formation of tumorlike lesions in the cockroach Leucophaea maderae after anal blockage.
8880

Chronological study of the function of the ovary in the Hypogastruridae. Cavern-living and epigeous Collembola: Typhlogastrura balazuci Delamare and Ceratophysella engadinensis Gisin.
8881

Ecological studies of the field cricket, Gryllus campestris L. .
8887

Homograft of the tarsus into the place of the eye in the phasmid Sipyloidea sipylus W.
8888

Rate of oxygen uptake of healthy and diseased larvae of the Japanese beetle.
8895

Add water-- instant Culicoides.
8900

A general method for estimating threshold concentrations of odorant molecules.
8901

An active reduction of water level in insect cuticle.
8902

Internal damage in an aquatic beetle exposed to sublethal concentrations of inorganic ions.
8905

Mode of action of natural insectides.
8906

Electrophysiological study of contact chemoreceptors in bloodsucking Diptera.
8907

INSECT PRESERVATION

The fluorescent particle spray droplet tracer method.
9230

INSECT PROTECTIVE DEVICES

Living doors.
8735

The hastate setae of certain dermestid larvae: an entangling defense mechanism.
8824

Mimicry: The deceptive way of life.
8843

INSECT REARING

Rearing Phryxe caudata Rond. (Larvaevoridae), a parasite of Thaumetopoaea pytocampa Schiff. on an alternate host: Galleria mellonella.
8744

Laboratory rearing of Spalangia nigroaenea (Hymenoptera: Pteromalidae).
8770

Studies on larval development in Culicoides furens (Poey) (Diptera: Ceratopogonidae). I. Establishment of a standard rearing technique.
8797

The incidence of parasitism and disease in some populations of the cabbage aphid,(Brevicoryne brassicae L.) in New Zealand.
8799

The method and role of vertical transmission of a nucleopolyhedrosis virus in the European spruce fly, Diprion hercyniae.
8818

A technique for rearing larvae of the bollworm and tobacco budworm in large numbers.
8840

A method of rearing the peach tree borer on artificial diet.
8858

Low-cost larval rearing medium for mass production of Oriental and Mediterranean fruit flies.
8879

Add water-- instant Culicoides.
8900

INSECT REARING EQUIPMENT

A Light mill for studies with the Mexican fruit fly.
8727

A technique for rearing larvae of the bollworm and tobacco budworm in large numbers.
8840

An inexpensive house fly pupae separator.
8898

INSECT REPELLENTS

Brahman breeding as a factor affecting the attractiveness or repellency of cattle to the horn fly.
8886

INSECT RESPIRATION

The adaptation to aquatic life of the larvae of Muansa clypealis (Homoptera, Cicadidae).
8717

INSECT TAXONOMY

Description of new Arctiidae from Madagascar. (Iep.) (15th note).
8616

Nasal Acarina of birds and mammals of Brazil. I. Rhinonyssidae of the Bélem region (North Brazil).
8617

Fourteen new chrysomelid beetles from Jamaica.
8619

Crypturgus hispidulus also in Baden (Col., Scolytidae) (Contribution to the southwestern German coleoptern fauna).
8620

Studies of Queensland Tetranychidae. 7. Records of the genus Eotetranychus (Acarina: Tetranychidae).
8621

Oligonychus araneum sp. n. and Oligonychus digitatus Davis (Acarina: Tetranychidae) as pests of grasses in eastern Australia.
8622

Taxonomy of New Zealand Pseudococcidae, Part I (Homoptera: Coccoidea).
8623

Three new species of the genus Tripteroides, subgenus Tripteroides Giles (Diptera: Culicidae).
8624

The Baris lepidii group.
8625

Some Australian parthenogenetic Chironomidae (Diptera).
8626

Carphurinae or Carphuridae 43. Contribution to the knowledge of the Malachiidae.
8628

Three new species of Brachyhesma (Apoidea: Colletidea).
8629

Two new genera and five new species of Argaremini from New Zealand, with a key to the genera of Targaremini (Heteroptera: Lygaeidae).
8630

Contribution to the knowledge of the Staphylinidae. CIII. The Quedius oblitteratus Er.--nemoralis Baudi complex.
8631

Pyrganus a new genus (Coleoptera, Elateridae).
8633

Brentidae of Paraguay (Coleoptera).
8634

Studies of fruitflies associated with mistletoe in Australia and Pakistan with notes and descriptions on genera related to Perilampsis Bezzi Diptera: Tephritidae.
8635

A new Coptotermes (Isoptera, Rhinotermitidae) from Gabon.
8636

Two new species of Audre (Lep. Rhop. Riodinidae).
8637

New names for two genera of Lepidoptera.
8638

Four new satyrids from Ecuador.
8639

Two species of apple-feeding gelechiids new to science (Lepidoptera).
8640

A new stratiomyid pest of sugar cane in Australia (Diptera: Stratiomyidae).
8641

Addendum to the revision of the genus Thorictus Germ.
8642

The black bark beetle, Xylosandrus germanus Blandf., a newcomer to our domestic insect fauna.
8643

Taxonomic remarks about Staphylinidae.
8644

Palearctic species of egg parasites of the genus Telenomus haliday (Hymenoptera, Scelionidae, Telenominae).
8645

Studies of the Mexican Deltocephalinae II. Seven new species of Norvellina (Homoptera: Cicadellidae).
8646

Morphology and relationships of the Pentatomoidea (Heteroptera). III. Natalicolinae and some Tessaratomidae of uncertain position.
8647

Microctonus glyptosceli n. sp., a parasite of Glyptoscelis pubescens (F.) in Wisconsin (Hymenoptera: Braconidae: Euphorinae and Coleoptera: Chrysomelidae).
8648

Neolaxta monteithi gen. sp. n. from eastern Australia (Blattodea: Blaberidae).
8649

Polyphagidae (Blattodea) from eastern Australia.
8650

The mayfly genus Hexagenia in Mexico (Ephemeroptera: Ephemeridae).
8651

New South American genera and species of the tribe Bothynostethini (Hymenoptera; Sphecidae; Larrinae).
8652

The generic placement of Allodape grisea Alfken (Hymenoptera: Apoidea).
8653

Philonthus parcus Sharp (Coleoptera: Staphylinidae), a Japanese rove beetle established in Australian caves.
8654

New Exoprosopinae from Mexico and Central America (Diptera: Bombyliidae).
8655

The Aradidae of New Zealand (Hemiptera, Heteroptera). III. The Aradinae and Calisiinae.
8656

The natural foci of human transmissive diseases.
8657

Descriptions of new Neotropical Tabanidae and new records for Argentina.
8658

A revision of the genus Chloroenemis Selys (Odonata).
8659

The Tettigoniidae (Orthoptera) of Oklahoma.
8660

A new Stenus from southern China: Stenus (Hypostenus) shaowuensis n. sp., including synonymy notes on other species (Coleoptera, Staphylinidae). 42. Contribution to the knowledge of the Steninae.
8661

The cavernicolous status of some species of Macropathinae (Orthoptera: Rhaphidophoridae).
8662

New records and new species of Australian Masaridae (Hymenoptera: Vespoidea).
8663

A new family of caddis-flies from Australia (Trichoptera: Tasimiidae).
8664

The new genus Fregatiella (Mallophaga: Menoponidae) for Menopon aurifasciatum from the frigate-bird.
8665

A review of the genus Eidmanniella (Mallophaga: Menoponidae) from the Pelecaniformes.
8666

The aquatic and semiaquatic Hemiptera in Oklahoma.
8667

Hebridae (Hemiptera) of Oklahoma.
8668

The Asilinae (Diptera, Asilidae) of Oklahoma.
8669

The genera Neurocyta Navas and Phryganopsyche Wiggins in India (Trichoptera, Phryganeidae, and Phryganopsychidae).
8670

Oklahoma leaf beetles of the subfamilies Donaciinae, Criocerinae, Clytrinae, Chlamisinae, Eumolpinae, and Chrysomelinae (Chrysomelidae, Coleoptera).
8671

Further studies on the Tarsonemidae, II (Acarina).
8672

The genus Craterocercus Rohwer (Hymenoptera: Tenthredinidae).
8673

Two new species of Idaho Trichoptera with distributional and taxonomic notes on other species.
8674

Notes on the systematics and dulosis of some western species of Formica, subgenus Raptiformica (Hymenoptera: Formicidae).
8675

Epuraea fussi Reitter equals Epuraea interjecta Sjoberg syn. nov.
8676

The postabdomen of Cinderella, with a new species from Argentina (Diptera: Heleomyzidae).
8678

Some African Fulgoroidea in the United States National Museum.
8679

Mallophaga from birds of the Oriental Region. Part IX. Sturnidoecus philippensis, n. sp. (Ischnocera: Philopteridae).
8680

Observations on the genital structures in several genera of Bruchidae (Coleoptera).
8681

Hispinae of Peru, collected by von W. Weyrauch. (228. Contribution to the knowledge of the Hispinae, Coleopt., Chrysomelidae).
8683

Previously unpublished nocturnals of Madagascar. (Lep.).
8684

Some mirids from central Siberia (Heteroptera).
8685

Systematics and acoustic behavior of United States crickets of the genus Orocharis (Orthoptera: Gryllidae).
8686

New species of chironomids from Costello Lake, Ontario (Diptera: Chironomidae).
8687

New genera of Neotropical Eumenidae (Hymenoptera).
8688

Seven new species and records of phytoseiid mites from Missouri (Acarina: Phytoseiidae).
8689

Two new Catopidae genera from Europe (analysis of the nigrita group in the genus Catops).
8690

How different are the eastern and western forms of the alfalfa weevil.
8740

Observations on the immature stages of Cordilura (Achaetella) deceptiva and C. (A.) varipes.
8817

INSECT TRAPS
Concerning the validity of the capture results of insect traps, together with an attitude toward the work of H. Peters, Heidelberg, on synanthropic flies.
8784

Alate aphids trapped over 8 years at two sites in Canterbury, New Zealand.
8798

Observations on bird tanglefoot traps as a direct method of apple maggot control.
9014

INSECT VECTORS
The natural foci of human transmissive diseases.
8657

Corn stunt vector leafhopper attractancy to and oviposition preference for hybrid dent corn. I. Dalbulus maidis.
8732

The fine structure of Babesia ovis (Piroplasmidea) in Rhipicephalus bursa (Ixodoidea): Transformation of spherical forms to vermicules.
8754

Susceptibility of Anopheles (Myzomyia) stephensi to Plasmodium cathemerium.
8819

Lack of multiplication of simian virus 40 (SV40) in experimentally infected mosquitoes.
8854

The Simulium control scheme at Abuja, Northern Nigeria, and its effect on the prevalence of onchocerciasis in the area.
8919

Eradication of malaria and mosquito control in Italy.
8921

An hypothesis for selection of strains of potato leaf roll virus by passage through Physalis floridana.
8940

Occurrence of virus particles in the phloem tissue of BYDV-infected barley.
8962

Transmission of strawberry mottle virus by juice and aphids to herbaceous hosts.
9007

Additional evidence of multiplication of the sowthistle yellow vein virus in an aphid vector serial passage.
9024

Culicidae and Tabanidae as potential vectors of anaplasmosis in Mississippi.
9107

Infection experiments with the cotton rat filaria Litomosoides carinii in Mastomys natalensis (Smith, 1834).
9127

INSECTICIDE APPLICATION
Chemical control of the juniper webworm on Irish juniper.
9016

The metabolism of Bayer 9017 in calves.
9184

INSECTICIDE RESIDUAL ACTIVITY
Mode of action of insecticides on the rice stem borer and development of resistance.
8884

INSECTICIDE RESIDUES
Chlorinated insecticides in the body fat of people in the United States.
9149

Response of robins to DDT and methoxychlor.
9152

Studies on the effect of sulfuric-fuming nitric acid treatment on the analytical characteristics of toxaphene.
9153

Residues of Thimet on green and on field-dried alfalfa.
9160

Improved gas chromatographic systems for determining organochlorine pesticide residues in wildlife.
9161

INSECTICIDE RESISTANT INSECTS
Superflies beat dichlorodiphenyltrichloroethane.
8697

Resistance to Telodrin in the German cockroach, Blattella germanica.
8731

Effect of DDT on incorporation of C14-labeled glucose into protein and soluble intermediates of nymphal Triatoma infestans.
8743

Seed-corn maggot resistance to aldrin in Illinois.
8767

The group effect in the tests on insecticide resistance in Aedes aegypti.
8847

Antiresistant DDT continues to offer superior fly control.
8849

A laboratory testing programme for assessing field performance of acaricides against Tetranychus urticae (Koch).
8857

Mode of action of insecticides on the rice stem borer and development of resistance.
8884

Organising an eradication programme for Aedes aegypti in the USA.
8922

INSECTICIDE SUSCEPTIBLE INSECTS
A laboratory testing programme for assessing field performance of acaricides against Tetranychus urticae (Koch).
8857

INSECTICIDE SYNERGISTS
Thin-layer chromatography of rat bile and urine following intravenous administration of pesticidal synergists.
9171

INSECTICIDE TRIALS
A laboratory testing programme for assessing field performance of acaricides against Tetranychus urticae (Koch).
8857

INSECTICIDES
Superflies beat dichlorodiphenyltrichloroethane.
8697

Mixtures of dichlorvos, pyrethrins and dimethrin in aerosols for controlling houseflies.
8708

Effect of DDT on incorporation of C14-labeled glucose into protein and soluble intermediates of nymphal Triatoma infestans.
8743

Lannate - a new insecticide for the control of the giant looper and other pests.
8751

Mode of entry of contact insecticides.
8758

Field evaluation of three granular systemic insecticides for control of the aphids Eulachnus agilis and Cinara pinea on scotch pine.
8782

Studies on chrysanthemic acid. Part XVIII. A new biologically active acid component related to chrysanthemic acid.
8806

Trithion-a new acaricide.
8814

Experiments with Beauveria bassiana (Bals) Vuill. against Blastophagus piniperda L. (Col., Scolytidae).
8822

A laboratory testing programme for assessing field performance of acaricides against Tetranychus urticae (Koch).
8857

Physico-chemical studies on the absorption of pesticides by the insect cuticle and peneration to the insect body.
8874

Mode of action of insecticides on the rice stem borer and development of resistance.
8884

Insecticide studies of the maize stalk borer, Busseola fusca (Fuller), in East Africa.
8893

Mode of action of natural insectides.
8906

Sugar-cane moth borers in the Carihbean.
8974

Current status of brown soft scale in citrus groves of the lower Rio Grande Valley.
9009

Effect of insecticides on ant and spider populations in Louisiana sugarcane fields.
9015

Chemical control of the juniper webworm on Irish juniper.
9016

Some ecological observations and results of the control of Argyresthia fundella F. R.
9022

Further evaluation of animal systemic insecticides, 1968.
9126

Notice of filing of petition regarding pesticide chemicals.
9150

Notice of filing of petition regarding pesticide chemicals.
9151

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. p-Chlorophenyl-2,4,5-trichlorophenyl sulfide.
9155

Improved gas chromatographic systems for determining organochlorine pesticide residues in wildlife.
9161

Survival of fish in 164 herbicides, insecticides, fungicides, wetting agents and miscellaneous substances.
9167

Comparative toxicites of insecticides to house fly larvae and Macrocheles muscaedomestica, a mite predator of the house fly.
9168

Radiotracer studies on metabolism, degradation, and mode of action of insecticide chemicals.
9169

Acute cutaneous toxicity of certain organophosphorous insecticides. I. Lebaycid.
9172

Susceptibility of male and female mice to the mephrotoxic and hepatotoxic properties of chlorinated hydrocarbons.
9174

Mortality of the earthworm Lumbricus terrestris L. following soil applications of insecticides to a tobacco field.
9175

Comparative mechanisms of insecticide binding with nerve components of insects and mammals.
9176

The effects of combinations of preemergence herbicides and systemic insecticides on cotton stands and yields.
9196

Gas chromatographic determination of ethyl O,O-dimethyl-dithiophosphoryl-l-phenyl acetate in technical grade cidial and its 50 percent liquid formulation.
9216

Report on chlorinated insecticides.
9219

On a spray reagent for thin-layer chromatographic detection of a cholinesterase inhibiting insecticide.
9223

Chemical industry produces insecticides as aid to growers in meeting demands of consumers, dr. Ferguson points out.
9225

The optinum size for insecticide spray droplets.
9231

Analysis of a single crop extract for substituted urea herbicides and metabolites, chlorinated insecticides, and amitrole.
9239

INSECTS

Mixtures of dichlorvos, pyrethrins and dimethrin in aerosols for controlling houseflies.
8708

Report on analytical entomology of food and drugs.
9141

Comparison of white gasoline and n-heptane for recovery of insect fragments and rodent hairs from food products.
9142

Comparative mechanisms of insecticide binding with nerve components of insects and mammals.
9176

The fluorescent particle spray droplet tracer method.
9230

INTEGRATED CONTROL (INSECTS)

Integrated chemical control of insects and biological control of mites on apple in Washington.
9010

INTERFERENCE PHENOMENON

Interference between vaccinal virus and rabies virus.
9122

INTESTINES

Meadow vole used in hay research.
9052

Electron microscopical observations on Mycobacterium johnei.
9115

Fine structure of the intestine of the nematodes, Ancylostoma caninum and Phocanema decipiens.
9130

INVERTEBRATES

The fluorescent particle spray droplet tracer method.
9230

IONS

Internal damage in an aquatic beetle exposed to sublethal concentrations of inorganic ions.
8905

The utilization of the calcium sensitivity test in the investigati on of the rennet activity.
9138

IPS

Notes on biology of clerid beetles that attack Ips spp. in upper South Carolina.
8783

IRIDESCENT VIRUS

Purification and some properties of Chilo iridescent virus.
8883

Iridescent virus from blackfly Simulium ornatum Meigen in Czechoslovakia.
8896

IRON

The use of ferromyn (Ferrous succinate) in iron deficiency anemia.
9102

IRON OXIDES

The use of ferromyn (Ferrous succinate) in iron deficiency anemia.
9102

IRON SULFATES

The use of ferromyn (Ferrous succinate) in iron deficiency anemia.
9102

IRRIGATION

Irrigated sugar-cane in Rhodesia.
8925

Evaluation of herbicides applied to the soil for weed control in irrigated sugar beets.
9039

ISODRIN

Insecticide studies of the maize stalk borer, Busseola fusca (Fuller), in East Africa.
8893

ISOMERS

Developmental inhibition in Drosophila using dihydroxybenzoic acid isomers.
8793

Pyrethin II and related esters obtained by reconstitution.
9192

ISOPROPOXYPHENYL METHYLCARBAMATE, O

Cockroach control in Chicago's Lincoln park zoo.
8839

ISOTOPES

Stimulation of porcine splenic cultures by a radiationinduced lymphoid leukemia filtrate: a preliminary report.
9078

ITOPLECTIS CONQUISITOR

A new record for a parasite of the alfalfa weevil in Eastern United States, Eriplanus micator (Gravenhorst) (Hymenoptera: Ichneumonidae).
8716

IXODIDAE

The fine structure of Babesia ovis (Piroplasmidea) in Rhipicephalus bursa (Ixodoidea): Transformation of spherical forms to vermicules.
8754

IXODIDES

The fine structure of Babesia ovis (Piroplasmidea) in Rhipicephalus bursa (Ixodoidea): Transformation of spherical forms to vermicules.
8754

The PCO market in tick control.
8859

JUNIPERUS COMMUNIS

Chemical control of the juniper webworm on Irish juniper.
9016

KALE

Gas chromatographic determination of residues of dimethoate and its oxygen analog in field-sprayed kale.
9162

KIDNEYS

Actinobacillus lignieresii infection in a dog.
9067

Arsenic poisoning of cattle and other domestic animals.
9096

Susceptibility of male and female mice to the mephrotoxic and hepatotoxic properties of chlorinated hydrocarbons.
9174

LABELING

Marking adult boll weevils with dyes fed in a cottonseed oil bait.
8739

LABORATORY ANIMALS

Use of a genetically marked strain to evaluate the retention of marking dyes by released screwworm flies.
8768

The fluorescent particle spray droplet tracer method.
9230

LABORATORY ANIMALS
Meadow vole used in hay research.
9052

On the merit of simple pricking with R2B (Mukteswar strain) for effective vaccination against New Castle (Ranikhet) disease.
9092

Control of chronic respiratory disease by Spiramycin antibiotic therapy.
9103

The trend in the evolution of the poultry vaccines and the channels of administration.
9104

The fine structure of Nosema sp. Sprague, 1965 (Microsporida, Nosematidae) with particular reference to stages in sporogony.
9118

Infection experiments with the cotton rat filaria Litomosoides carinii in Mastomys natalensis (Smith, 1834).
9127

LABORATORY EQUIPMENT
Alkaline pre-column for use in gas chromatographic pesticide residue analysis.
9156

Microcoulometric gas chromatography: Improvements in instrumentation.
9227

LAMBS
Sequence in the abortive and teratogenic effects of locoweed fed to sheep.
9080

Serum enzyme and serum electrolyte values of lambs fed a magnesium-deficient ration.
9085

Further experiments with low-level feeding of Thiabendazole to lambs.
9135

LAND
Aerial spraying of forests: Notes for landowners.
9034

LARIX
A review of lepidopterous pests of coniferous forests in the Baykal Region.
9019

LARVAE
Microctonus glyptosceli n. sp., a parasite of Glyptoscelis pubescens (F.) in Wisconsin (Hymenoptera: Braconidae: Euphorinae and Coleoptera: Chrysomelidae).
8648

Entomophthora aquatica sp. n. infecting larvae and pupae of floodwater mosquitoes.
8695

The lepidopterous stalk borers of rice and their life cycles in the Tropics.
8702

Analysis of the structure of the pore ducts in the favorable case offered by the tegument of Galleria mellonella nymphs.
8703

Occult viruses in insects. (Abstract).
8710

Naturally occurring low-molecular-weight peptides from the blowfly Phormia regina.
8713

The adaptation to aquatic life of the larvae of Muansa elypealis (Homoptera, Cicadidae).
8717

Feeding behavior of larvae of the western corn rootworm: Normal larvae and larvae maxillectomized with laser radiation.
8718

The development and larval behavior of Stigmella malella Stainton. (Lep. Stigmellidae).
8728

Free and peptide-bound amino acids during the larval and pupal stages of the yellow-fever mosquito, Aedes aegypti.
8729

Cytopathology of a nucleopolyhedrosis of the beet armyworm, Spodoptera exigua.
8773

Pathogenicity of a nuclear-polyhedrosis virus of the beet armyworm, Spodoptera exigua.
8774

Simultaneous infection with the nucleopolyhedrosis and granulosis viruses of Trichoplusia ni.
8800

A red, fluorescent protein from silkworm.
8813

Observations on the immature stages of Cordilura (Aehaetella) deceptiva and C. (A.) varipes.
8817

Morphology of the larval and adult brains of the monarch butterfly, Danaus plexippus plexippus, L.
8821

Description of immature stages of Noctuiseius treati Prasad (Acarina: Phytosciidae).
8836

A technique for rearing larvae of the hollworm and tobacco budworm in large numbers.
8840

Sigma virus multiplication in whole-animal culture of Drosophila.
8852

A laboratory testing programme for assessing field performance of acaricides against Tetranychus urticae (Koch).
8857

Mating propensity, chromosomal polymorphism, and dependent conditions in drosophila persimilis. ii. factors between larvae and between adults.
8860

Hypnoidus riparius (Fabricius), a possible agricultural pest from Europe (Coleoptera: Elateridae).
8868

New symphoriont intranstylum - species (Peritricha, Ciliata) on larvae of Chironomous plumosus.
8869

Study of the corpus allatum in living larvae of the hlow fly Calliphora erythrocephala MG. (Diptera, Calliphoridae).
8877

Low-cost larval rearing medium for mass production of Oriental and Mediterranean fruit flies.
8879

Feeding habits of larvae of seven Rhyacophila (Trichoptera: Rhyacophilidae) species with notes on other life-history features.
8882

Purification and some properties of Chilo iridescent virus.
8883

Mode of action of insecticides on the rice stem borer and development of resistance.
8884

Rate of oxygen uptake of healthy and diseased larvae of the Japanese beetle.
8895

Iridescent virus from blackfly Simulium ornatum Meigen in Czechoslovakia.
8896

Corn earworm infestation in ripe strawberries.
9017

Seasonal history and response to insecticides of Heliothis species on cotton.
9032

Evaluation of Arzama densa as an aid in the control of water hyacinth in Louisiana.
9049

Studies on the biosynthesis and degradation of phosphatidylheta-methylcholine by housefly larvae. (Abstract).
9060

Utilization of tricarboxylic acid cycle intermediates by Haemonchus contortus larvae.
9133

Further experiments with low-level feeding of Thiabendazole to lambs.
9135

Comparative toxicites of insecticides to house fly larvae and Macrocheles muscaedomestica, a mite predator of the house fly.
9168

LARVICIDES
The Simulium control scheme at Abuja, Northern Nigeria, and its effect on the prevalence of onchocerciasis in the area.
8919

LASIOGLOSSUM OENOTHERAE
Bionomic notes on the solitary Evylaeus oenotherae (Stevens) (Hymenoptera: Halictinae), a matinal summer bee visiting cultivated Onagraceae.
8785

LASPEYRESIA POMONELLA
Characteristics of the stopped and scarred damages due to the coddling moth (Laspeyresia pomonella L.) with a method of interpretation of the various forms of damages observed on apples.
9002

LATENT VIRUS (APPLES)
Dark green epinasty of Chenopodium quinoa, a syndrome induced by a virus latent in apple and pear.
8998

LATENT VIRUS (BLACK RASPBERRIES)
The occurrence and some properties of black raspberry latent virus.
8941

LATENT VIRUS (PEARS)
Dark green epinasty of Chenopodium quinoa, a syndrome induced by a virus latent in apple and pear.
8998

LAUXANIIDAE
A case of partially reduplicated antenna in Minettia obscura (Loew) (Diptera: Lauxaniidae).
8867

LEAF MINERS
Lannate - a new insecticide for the control of the giant looper and other pests.
8751

LEAF ROLL
Genetic studies of pea leaf-roll (top-yellows) virus resistance in Pisum sativum.
8942

LEAF ROLL (POTATOES)
An hypothesis for selection of strains of potato leaf roll virus by passage through Physalis floridana.
8940

LEAF SPOT
A foliar disease of tuberose caused by Aphelenchoides besseyi.
9031

LEAF SPOT (SUGAR BEETS)
The therapeutic effect of Thiabendazole, 2-(4-thiazolyl) benzimidazole, against Cercospora leaf spot on sugar beets when applied as a soil drench.
8991

LEAVES
Pea enation mosaic virus: Glucose catabolism in leaves and pods of infected peas.
8938

The occurrence of inclusion bodies in leaf epidermis cells of sandal affected with spike disease.
8945

Effect of TMV multiplication on RNA and protein synthesis in tobacco chloroplasts.
8956

Occurrence of virus particles in the phloem tissue of BYDV-infected barley.
8962

A leaf disorder of cacao in Costa Rica.
8982

The metabolism of carbon-14 specifically labelled glucose in leaves showing tobacco mosaic virus induced local necrotic lesions.
9205

The fluorescent particle spray droplet tracer method.
9230

LECITHINS
Studies on the biosynthesis and degradation of phosphatidylbeta-methylcholine by housefly larvae. (Abstract).
9060

LEGS
The subcoxa of the aphid hind leg (Homoptera: Aphididae).
8711

Homograft of the tarsus into the place of the eye in the phasmid Sipyloidea sipylus W.
8888

LEGUMES
Sensitivity of Rhizobium species to certain fungicides.
8933

LEMONS
Comparative production of pheromone by the California red scale reared on lemons and potatoes.
8841

LEPIDOPTERA
New names for two genera of Lepidoptera.
8638

A laboratory testing programme for assessing field performance of acaricides against Tetranychus urticae (Koch).
8857

On the tetrapyrrolic pigments of Lepidoptera,.
8892

A review of lepidopterous pests of coniferous forests in the Baykal Region.
9019

LEPTINOTARSA DECEMLINEATA
Humoral and nervous pathways in photoperiodic induction of diapause in Leptinotarsa decemlineata.
8742

LEPTODIRIDAE
Two new Catopidae genera from Europe (analysis of the nigrita group in the genus Catops).
8690

LEUCOPHAEA MADERAE
The maturation of the oocytes in the isolated abdomen of Leucophaea maderae.
8719

Female specific protein: Biosynthesis controlled by corpus allatum in Leucophaea maderae.
8750

The formation of tumorlike lesions in the cockroach Leucophaea maderae after anal blockage.
8880

LEUKEMIA
Stimulation of porcine splenic cultures by a radiationinduced lymphoid leukemia filtrate: a preliminary report.
9078

LIFE CYCLE
The lepidopterous stalk borers of rice and their life cycles in the Tropics.
8702

The existence of two optional diapauses in the biological cycle of Villa brunnea Beck. (Dipt., Bombyliidae).
8746

Life history of Upis ceramboides at Fairbanks, Alaska.
8780

Life history and some factors affecting the population of Arzama densa in Louisiana.
8891

LIGHT
Stridulatory files as diffraction gratings in mutillid wasps.
8769

Humidity preference of the alfalfa weevil, Hypera postica, as affected by microenvironmental and physiological conditions.
8863

The relation of climatic factors to the duration of the development of Heterodera schachtii in Slovakia (CSSR).
9028

The influence of environment on the phytotoxicity of dicamba, picloram, bromoxynil and 2,4-D ester.
9041

LIMNOLOGY
The limnology of Playa Lakes on the Llano Estacado, New Mexico and Texas.
8872

LINDANE
Seed-corn maggot resistance to aldrin in Illinois.
8767

Comparative toxicites of insecticides to house fly larvae and Macrocheles muscaedomestica, a mite predator of the house fly.
9168

LINURON
Are herbicides doing their job .
9035

LIPIDS
Cytochemical studies on a coccidian, Chagasella ganapatii from a termite, Odontotermes obesus (Rambur).
8724

Control of haemolymph lipid concentration during locust flight: An adipokinetic hormone from the corpora cardiaca.
8808

Some features of the physiology of dormancy in black currant plants in connection with the effect of gibberellin.
9199

Lipid metabolism in the fruit of Persea americana Mill. I. Studies on the chemical composition of lipids and their changes during fruit development and storage.
9201

LIPOPROTEINS
On the production of lipoproteic corpuscules by the Malpighian tubes in some insects.
8763

LISTERIA MONOCYTOGENES
The inhibition of Listeria monocytogenes by an organism, resembling Bacillus mycoides, present in normal silage.
9079

LITERATURE
The unnatural history of the ant lion.
8789

LITOMOSOIDES CARINII
Infection experiments with the cotton rat filaria Litomosoides carinii in Mastomys natalensis (Smith, 1834).
9127

LIVER
Actinobacillus lignieresii infection in a dog.
9067

Synergism in the chemotherapy of Fascioliasis.
9084

Susceptibility of male and female mice to the nephrotoxic and hepatotoxic properties of chlorinated hydrocarbons.
9174

Studies of warfarin resistance in the rat. (Abstract).
9179

LIVER DISEASES
Arsenic poisoning of cattle and other domestic animals.
9096

LIVESTOCK
The inhibition of Listeria monocytogenes by an organism, resembling Bacillus mycoides, present in normal silage.
9079

Charcoal diet for cattle.
9146

LIVESTOCK DISEASES
Mycoplasma infections with emphasis on the control of M. gallisepticum.
9061

Colitis X (exhaustion shock) in a pregnant mare.
9076

The pathogenesis of the glomerulopathy in Aleutian disease. (Abstract).
9077

Stimulation of porcine splenic cultures by a radiationinduced lymphoid leukemia filtrate: a preliminary report.
9078

Sequence in the abortive and teratogenic effects of locoweed fed to sheep.
9080

Serum enzyme and serum electrolyte values of lambs fed a magnesium-deficient ration.
9085

Etiologic factors of gastric ulcers in swine.
9086

Balance cows' minerals to defeat milk fever.
9089

Polioencephalomalacia (cerebrocortical necrosis).
9090

Intoxification of swine with noxious gases.
9095

Bovine horn cancer: therapeutic experiments with autogenous vaccine.
9098

A common source epizootic of bovine salmonellosis in Manitoba.
9120

LOCUSTA MIGRATORIA
The action of actinomycin D on the pigmentation of albino mutants of the locust Locusta migratoria cinerascens L. (Orthop.).
8756

The action of the endocrine system and the ovary on the hemogram of Locusta migratoria L. (Orthoptera). The role of the ventral gland.
8771

An active reduction of water level in insect cuticle.
8902

LONGEVITY
Mortality, longevity, and fecundity of spider mites on cotton treated with systemic acaricides.
8692

Life history and some factors affecting the population of Arzama densa in Louisiana.
8891

Effect of food intake on growth and survival of salmonellas and Escherichia coli in the bovine rumen.
9064

LONGIDORUS ATTENUATUS
The effect of soil fumigation on the growth of sugar beet.
9193

LORANTHACEAE
Studies of fruitflies associated with mistletoe in Australia and Pakistan with notes and descriptions on genera related to Perilampsis Bezzi Diptera: Tephritidae.
8635

LOSSES
Studies on effects of forest sprayings with insecticides, 1952-63, on fish and aquatic invertebrates in New Brunswick streams: Introduction and summary.
9144

LYCTOCORIS BENEFICUS
On the bionomics of Lyctocoris beneficus (Hiura) and Xylocoris galactinus (Fieber) (Anthocoridae, Heteroptera).
9003

LYGAEIDAE
Two new genera and five new species of Argaremini from New Zealand, with a key to the genera of Targaremini (Heteroptera: Lygaeidae).
8630

LYMPH NODES
Actinobacillus lignieresii infection in a dog.
9067

LYMPHOCYTES
Stimulation of porcine splenic cultures by a radiationinduced lymphoid leukemia filtrate: a preliminary report.
9078

LYSIMETERS
Soil water measured.
8923

LYSOSOMES
The existence of lysosomic inclusions in the adipose cells of Periplaneta americana (Blattidae).
8759

MACROCHELES MUSCAEDOMESTICAE
Comparative toxicites of insecticides to house fly larvae and Macrocheles muscaedomestica, a mite predator of the house fly.
9168

MACROPHOMINA PHASEOLI
A note on paper disk method for laboratory fungicidal bioassay.
9241

MACROPOSTHONIA
Eelworms-a progress report on a few more groups found in North-East Indian tea soils.
9025

MAGNESIUM
Serum enzyme and serum electrolyte values of lambs fed a magnesium-deficient ration.
9085

MALARIA
Eradication of malaria and mosquito control in Italy.
8921

MALARIA CONTROL
Eradication of malaria and mosquito control in Italy.
8921

MALATHION
Control of mites and aphids on and in bulbs.
8850

A leaf disorder of cacao in Costa Rica.
8982

The leaf snout weevil of the avocado.
9018

Pesticide residues in foods in relation to human health.
9170

MALEIC HYDRAZIDE
Herbicidal activity of some pyridazine derivates. Part III. 3-phenoxypyridazines and related compounds.
9042

MALLOPHAGA
The new genus Fregatiella (Mallophaga: Menoponidae) for Menopon aurifasciatum from the frigate-bird.
8665

A review of the genus Eidmanniella (Mallophaga: Menoponidae) from the Pelecaniformes.
8666

Mallophaga from birds of the Oriental Region. Part IX. Sturnidoecus philippensis, n. sp. (Ischnocera: Philopteridae).
8680

MALPIGHIAN TUBES
Occurrence of an alkaline phosphomonoesterase associated with the brochosomes in the malpighian tubules of Cicadella viridis Lin. (Homoptera).
8762

On the production of lipoproteic corpuscules by the Malpighian tubes in some insects.
8763

MALUS
Transmission of apple viruses by leaf tissue implantation.
8992

MAMMALS
Nasal Acarina of birds and mammals of Brazil. I. Rhinonyssidae of the Belem region (North Brazil).
8617

The role of gamma-aminobutyric acid in mosquito-host interactions: A hypothesis.
8779

Some ectoparasites from West Virginia mammals, II.
9128

Comparative mechanisms of insecticide binding with nerve components of insects and mammals.
9176

MAMMARY GLANDS
The structure of the mammary tumor virus.
9066

MANDUCA SEXTA
House sparrows and a field infestation of tobacco hornworm larvae.
9023

MANUFACTURING COSTS
Trithion-a new acaricide.
8814

MARINE BIOLOGY
DDT residues in a East Coast estuary, a case of biological concentration of a persistent insecticide.
9145

MARKETING
Should Michigan forget about peaches .
8928

MASTITIS
Survey observations on ovine mastitis in New Zealand stud Romney flocks. 2. The bacteriology of ovine mastitis.
9100

Survey observations on ovine mastitis in New Zealand stud Romney flocks. I. The incidence of ovine mastitis.
9101

MEASUREMENT
A technique for studying inhibition of the parasitic activity of Ophiobolus graminis (Sacc.) Sacc. in field soils.
8969

MEAT
Notice of filing of petition regarding pesticide chemicals.
9151

MECARBAM
Experiments on the control of root pests of Brassicae.
9021

MEIOSIS
Spermiogenesis without chromosomes in Drosophila melanogaster.
8915

Similarity between phytokinins and herbicidal phenylurethanes.
9043

MELENGESTROL ACETATE
How beneficial are feed additives .
9059

MELICHARES
Biology of Melichares tarsalis in association with Plodia interpunctella.
8738

MELOIDODERA
Eelworms-a progress report on a few more groups found in North-East Indian tea soils.
9025

MELOIDOGYNE
The distribution of the family Heteroderidae (Filipjev, 1934) in South Africa and some host records of Meloidogyne species.
9026

MELONS
Differentiation of parasitized and unparasitized pupae of the melon fly and Oriental and Mediterranean fruit flies.
8816

MELUSINA ORNATA
Iridescent virus from blackfly Simulium ornatum Meigen in Czechoslovakia.
8896

MELYRIDAE
Carphurinae or Carphuridae 43. Contribution to the knowledge of the Malachiidae.
8628

MEMBRACIDAE
On the production of lipoproteic corpuscules by the Malpighian tubes in some insects.
8763

MENOPONIDAE
The new genus Fregatiella (Mallophaga: Menoponidae) for Menopon aurifasciatum from the frigate-bird.
8665

A review of the genus Eidmanniella (Mallophaga: Menoponidae) from the Pelecaniformes.
8666

MERCURY COMPOUNDS
Behavior of belladonna mottle virus in serological tests in the presence of organic mercury compounds.
8966

METABOLISM
Pea enation mosaic virus: Glucose catabolism in leaves and pods of infected peas.
8938

Effect of 2-deoxy-D-glucose on the respiration of tropical anthracnose fungi.
8952

Pentachlorobenzyl alcohol, a rice blast control agent.
8960

3-methylene-androstan-17beta-ols and 17-alkyl derivatives thereof. Patent 3,427,386.
9063

Radiotracer studies on metabolism, degradation, and mode of action of insecticide chemicals.
9169

Mechanisms of pesticide interactions in vertebrates.
9177

The metabolism of carbon-14 specifically labelled glucose in leaves showing tobacco mosaic virus induced local necrotic lesions.
9205

METABOLITES
DDT residues in a East Coast estuary, a case of biological concentration of a persistent insecticide.
9145

Chlorinated insecticides in the body fat of people in the United States.
9149

The metabolism of Bayer 9017 in calves.
9184

METAMORPHOSIS
Occult viruses in insects. (Abstract).
8710

The existence of two optional diapauses in the biological cycle of Villa brunnea Beck. (Dipt., Bombyliidae).
8746

Sexual characters of the instars of Blaberus discoidalis and an analysis of growth in this cockroach.
8802

METHALLIBURE
The effects of ICI 33828 and oxytocin on milk ejection and milk production in the lactating sow.
9074

METHIONINE
Two juvenile hormones in Cecropia silk moth.
8810

METHODOLOGY
Laboratory rearing of Spalangia nigroaenea (Hymenoptera: Pteromalidae).
8770

Concerning the validity of the capture results of insect traps, together with an attitude toward the

work of H. Peters, Heidelberg, on synanthropic flies.
8784

Studies on larval development in Culicoides furens (Poey) (Diptera: Ceratopogonidae). I. Estahlishment of a standard rearing technique.
8797

A differential staining technique for a mosquito irideseent virus.
8807

A new technique to ohserve the activity of eamhium miners.
8855

Method of killing pests hy application of a phosphoro derivative of alpha-(methylthio) eresol. Patent 3,427,384.
8875

A technique for studying inhibition of the parasitic activity of Ophioholus graminis (Saec.) Sacc. in field soils.
8969

Charaeteristies of the stopped and scarred damages due to the coddling moth (Laspeyresia pomonella L.) with a method of interpretation of the various forms of damages ohserved on apples.
9002

Nutritional requirements for reproduction of a temperature sensitive nematode, reared in axenic culture.
9030

The preservation of fruit.
9139

Report on analytical entomology of food and drugs.
9141

Improved gas ehromatographic systems for determining organochlorine pesticide residues in wildlife.
9161

On a spray reagent for thin-layer ehromatographic detection of a eholinesterase inhibiting inseeticide.
9223

Report on multiple residue methods.
9233

Report on herbicides and plant growth regulators.
9245

METHOXYCHLOR
Response of rohins to DDT and methoxychlor.
9152

Residue analysis in the dairy industry. in Zwig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. 1. principles, methods, and general application.
9157

METHOXYETHYL MERCURIC CHLORIDE
Effeet of storage treatments and fungieides on sprouting, flowering and gladiolus corm production.
8947

METHYL DEMETON
A lahoratory testing programme for assessing field performanee of acaricides against Tetranychus urticae (Koch).
8857

METHYL N-((METHYLCARBAMOYL)OXY)THIOACETIMIDATE, S
Lannate - a new inseeticide for the control of the giant looper and other pests.
8751

METHYL PARATHION
Current status of hrown soft scale in eitrus groves of the lower Rio Grande Valley.
9009

The optinum size for insectieide spray droplets.
9231

METHYL-4-CHLOROPHENOXYACETIC ACID, 2-
Note on the determination of some chlorophenoxy herbicides and their esters in water.
9143

METHYLENEBIS(3,4,6-TRICHLOROPHENOL), 2,2'
Synergism in the ehemotherapy of Fascioliasis.
9084

METHYLTHIO)CRESOL, ALPHA-(
Method of killing pests hy application of a phosphoro derivative of alpha-(methylthio) cresol. Patent 3,427,384.
8875

METRITIS
Relationship of viruses to reproductive prohlems.
9094

MEVALONATE KINASE
Two juvenile hormones in Ceeropia silk moth.
8810

MICE
The strueture of the mammary tumor virus.
9066

Electron microseopieal ohservations on Mycohaeterium johnei.
9115

Infeetion experiments with the cotton rat filaria Litomosoides carinii in Mastomys natalensis (Smith, 1834).
9127

Host-parasite relationships of Fasciola hepatica in the white mouse. III. Worm transfer.
9131

Susceptibility of male and female mice to the mephrotoxic and hepatotoxic properties of chlorinated hydrocarbons.
9174

MICROBIOLOGY
Agricultural microbiology.
8980

MICROCTONUS GLYPTOSCELI
Microctonus glyptosceli n. sp., a parasite of Glyptoscelis pubescens (F.) in Wisconsin (Hymenoptera: Braconidae: Euphorinae and Coleoptera: Chrysomelidae).
8648

MICROORGANISMS
(R2B) the Mukteswar virus vaccine and its characters.
9105

A common source epizootic of bovine salmonellosis in Manitoba.
9120

MICROSCOPY
Study of the corpus allatum in living larvae of the blow fly Calliphora erythrocephala MG. (Diptera, Calliphoridae).
8877

Agricultural mierohiology.
8980

Virus-like particles in galls on sugarcane plants affected by Fiji disease.
8994

MICROSPORIDIA
Some effeets of sublethal heat on spores of Nosema apis.
8890

MICROSPORUM CANIS
Equine ringworm caused by Trichophyton tonsurans var sulfureum.
9087

MICROSPORUM GYPSEUM
Equine ringworm caused by Trichophyton tonsurans var sulfureum.
9087

MILK
The effects of ICI 33828 and oxytocin on milk ejection and milk production in the lactating sow.
9074

The pathogenesis of the glomerulopathy in Aleutian disease. (Abstract).
9077

The utilization of the calcium sensitivity test in the investigation of the rennet activity.
9138

MILK ANALYSIS
The effects of ICI 33828 and oxytocin on milk ejection and milk production in the lactating sow.
9074

MILK FEVER
Balance cows' minerals to defeat milk fever.
9089

MILK PRODUCTION
The effects of ICI 33828 and oxytocin on milk ejection and milk production in the lactating sow.
9074

MIMICRY
Mimicry: The deceptive way of life.
8843

MIMOSA
Presence of two tree vascular diseases confirmed in Arkansas.
9000

MINETTIA OBSCURA
A case of partially reduplicated antenna in Minettia obscura (Loew) (Diptera: Lauxaniidae).
8867

MINKS
The pathogenesis of the glomerulopathy in Aleutian disease. (Abstract).
9077

Aleutian disease of mink: Infectious virus-antihody complexes in the serum.
9099

MIRIDAE
Some mirids from central Siberia (Heteroptera).
8685

MITES
Further studies on the Tarsonemidae, II (Acarina).
8672

Trithion-a new acaricide.
8814

Description of immature stages of Noctuiseius treati Prasad (Acarina: Phytoseiidae).
8836

Control of mites and aphids on and in bulbs.
8850

Esters of benzimidazolecarbamic acid as mite ovicides. Patent 3,427,388.
8851

A lahoratory testing programme for assessing field performance of acaricides against Tetranychus urticae (Koch).
8857

Method of killing pests by application of a phosphoro derivative of alpha-(methylthio) cresol. Patent 3,427,384.
8875

Integrated chemical control of insects and biological control of mites on apple in Washington.
9010

Infeetion experiments with the cotton rat filaria Litomosoides carinii in Mastomys natalensis (Smith, 1834).
9127

Comparative toxicites of insecticides to house fly larvae and Macrocheles muscaedomestica, a mite predator of the house fly.
9168

MITOCHONDRIA
An electron microscope study of nebenkern formation and differentiation in spermatids of Murgantia histrionica (Hemiptera, Pentatomidae).
8837

MOLDS
Survey uncovers promising antibiotic.
9069

Propargyl 2-bromodecanoate. Patent 3,427,333.
9195

MOLECULAR WEIGHT
Naturally occurring low-molecular-weight peptides from the blowfly Phormia regina.
8713

The N-terminal amino acid of an avian leukosis group-specific antigen from avian myeloblastosis virus.
9057

MOLYBDENUM POISONING
Hematopoiesis and epiphyseal growth zones in rabbits with molybdenosis.
9183

MONKEYS
Vesicular stomatitis virus infections in Panamanian primates and other vertebrates.
9119

MONOCTONUS
The natural control of the apple-grass aphid, Rhopalosiphum insertum, with remarks on the control of apple aphids in the Netherlands in general.
8752

MONONCHUS
Eelworms-a progress report on a few more groups found in North-East Indian tea soils.
9025

MORPHOLOGY
The fine structure of Babesia ovis (Piroplasmidea) in Rhipicephalus bursa (Ixodoidea): Transformation of spherical forms to vermicules.
8754

On the Schizophyta-like appearance of the flagella of termite symbionts.
8790

A new virus of Drosophila melanogaster, virus P1.
8835

The relation of climatic factors to the duration of the development of Heterodera schachtii in Slovakia (CSSR).
9028

Study of the thermosensitive mutants of the vesicular stomatitis virus. Evidence from a complement test.
9071

Morphology, physiology, and serology of a Pasteurella species pathogenic for white perch (Roccus americanus).
9081

MORTALITY
Mortality, longevity, and fecundity of spider mites on cotton treated with systemic acaricides.
8692

The action of Tepa on the adults of Dacus oleae Gmel. (Diptera: Tephritidae) as a function of the quantity of the chemosterilant used.
8757

Toxicity of ouabain (G-Strophanthin) to adult house flies.
8764

Simultaneous infection with the nucleopolyhedrosis and granulosis viruses of Trichoplusia ni.
8800

Experiments with Beauveria bassiana (Bals) Vuill. against Blastophagus piniperda L. (Col., Scolytidae).
8822

The group effect in the tests on insecticide resistance in Aedes aegypti.
8847

Pattern of cell death in sorghum stalk tissue as a measure of the susceptibility to spread of Colletotrichum graminicola in fifty-five sorghum varieties.
8965

Additional evidence of multiplication of the sowthistle yellow vein virus in an aphid vector-serial passage.
9024

Response of robins to DDT and methoxychlor.
9152

Mortality of the earthworm Lumbricus terrestris L. following soil applications of insecticides to a tobacco field.
9175

MOSAIC
Distribution of wheat streak mosaic virus-like particles in Aceria tulipae.
8876

The pitch of tobacco mosaic virus.
8948

Effect of TMV multiplication on RNA and protein synthesis in tobacco chloroplasts.
8956

Purification of soybean mosaic virus.
8958

Reversible dissociation of cucumber mosaic virus (strain S).
8964

The disassociation and reassociation of the proteins of the RNA in the lucerne mosiac virus.
8968

The production of new types of symptoms by mixtures of different components of two strains of alfalfa mosaic virus.
8970

Partial reconstitution of tobacco mosaic virus.
8993

MOSQUITO IRIDESCENT VIRUS
A differential staining technique for a mosquito iridescent virus.
8807

MOTHS
Description of immature stages of Noctuiscius treati Prasad (Acarina: Phytoseiidae).
8836

Sugar-cane moth borers in the Caribbean.
8974

MOTTLE
Behavior of belladonna mottle virus in serological tests in the presence of organic mercury compounds.
8966

Transmission of strawberry mottle virus by juice and aphids to herbaceous hosts.
9007

MOUTH
Integumental absorption versus oral ingestion of phosphate and other materials by common cattle grubs held in vitro.
8726

MOUTH PARTS
Feeding behavior of larvae of the western corn rootworm: Normal larvae and larvae maxillectomized with laser radiation.
8718

MUCORALES
The occurrence of Piptocephalis in soils and its isolation.
8929

MURGANTIA HISTRIONICA
An electron microscope study of nebenkern formation and differentiation in spermatids of Murgantia histrionica (Hemiptera, Pentatomidae).
8837

MUSCA DOMESTICA
Mixtures of dichlorvos, pyrethrins and dimethrin in aerosols for controlling houseflies.
8708

Asynchronous ovarian development in the housefly, Musca domestica L. (diptera: Muscidae), caused by dietary gamma-aminobutyric acid (GABA).
8714

Toxicity of ouabain (G-Strophanthin) to adult house flies.
8764

Hydrocarbon metabolism in insects: Oxidation of hexadecane-1-C14 in the boll weevil and the house fly.
8777

Studies on chrysanthemic acid. Part XVIII. A new biologically active acid component related to chrysanthemic acid.
8806

Gel electrophoresis of some dehydrogenases from flight muscles of tsetse flies (Glossina morsitans) and houseflies (Musca domestica).
8815

Effect of male accessory material on oviposition and mating by female house flies.
8842

Antiresistant DDT continues to offer superior fly control.
8849

An inexpensive house fly pupae separator.
8898

House fly pupae as food for poultry.
9053

Studies on the biosynthesis and degradation of phosphatidylbeta-methylcholine by housefly larvae. (Abstract).
9060

Comparative toxicites of insecticides to house fly larvae and Macrocheles muscaedomestica, a mite predator of the house fly.
9168

MUSCIDAE
Acetylcholinesterase polymorphism in the face fly (Diptera: Muscidae).
8786

MUSCLES
Neuromuscular synapses in the cockroach extensor tibiae muscle.
8700

Gel electrophoresis of some dehydrogenases from flight muscles of tsetse flies (Glossina morsitans) and houseflies (Musca domestica).
8815

The adult cervicothoracic musculature of the cockroach, Nauphoeta cinerea (Olivier).
8871

The fine structure of Nosema sp. Sprague, 1965 (Microsporida, Nosematidae) with particular reference to stages in sporogony.
9118

Pharmacologic action of pure venom fractions of Naja nigricollis and liberation of calcium in the striated muscles.
9181

MUTATION
Mosaicism in Habrobracon juglandis associated with the ebony locus.
8910

MUTATIONS
Study of the thermosensitive mutants of the vesicular stomatitis virus. Evidence from a complement test.
9071

A study of the thermosensitive mutants of the vesicular stomatitis virus (VSV). The classification of several mutants by the criteria of function.
9088

MUTILLIDAE
Stridulatory files as diffraction gratings in mutillid wasps.
8769

MYCELIUM
On the primary stages of orthophosphate absorbtion by mycelium of Penicillium chrysogenum.
9202

MYCOBACTERIUM
Electron microscopical observations on Mycobacterium johnei.
9115

MYCOLOGY
Studies on the nutrition and development of Gaeumannomyces graminis (Saec.) von Arx et Olivier, the causal organism of the take-all disease of cereals.
8951

New or uncommon plant diseases and pests; smut (Entyloma compositarum) of Gaillardia aristata Pursh.
8985

MYCOPLASMA GALLISEPTICUM
Mycoplasma infections with emphasis on the control of M. gallisepticum.
9061

MYCOSIS
Cutaneous streptothricosis in a bull.
9113

MYCOTOXICOSIS
Mycotoxicosis associated with hemorrhagic enterocolitis and abortion in swine.
9062

MYRMELEONTIDAE
The unnatural history of the ant lion.
8789

MYXOVIRUSES
Relationship of viruses to reproductive problems.
9094

NALED
Comparative toxicites of insecticides to house fly larvae and Macrocheles muscaedomestica, a mite predator of the house fly.
9168

NAPHTHALENEACETIC ACID
Production of yeast variants by auxin and effects of plant growth regulators on these variants.
9214

NATURAL CONTROL (INSECTS)
Factors influencing egg survival of Scolypopa australis Walker (Hemiptera-Homoptera: Ricaniidae) in the Sydney area (N. S. W. Australia).
9005

Insect parasites in the natural control of species of rice stem borers on Luzon Island, Philippines.
9012

Effect of insecticides on ant and spider populations in Louisiana sugarcane fields.
9015

House sparrows and a field infestation of tobacco hornworm larvae.
9023

NAUPHOETA CINEREA
The adult cervicothoracic musculature of the cockroach, Nauphoeta cinerea (Olivier).
8871

NEMATODE CONTROL
Investigations on the migratory root nematode Pratylenchus neglectus on fodder grasses.
9033

NEMATODES
The asexual cycle of a filarial (worm), Saurositus agamae hamoni n. ssp. (Eufilariinae) in Anopheles stephensi.
8701

Wetanema hula n. gen. et sp., a nematode from the weta Hemideina thoracica (White).
8737

The fine structure of Babesia ovis (Piroplasmidea) in Rhipicephalus bursa (Ixodoidea): Transformation of spherical forms to vermicules.
8754

Nematodes of the family Tetradonematidae, parasitizing in members of the family Simuliidae (Diptera).
8844

Irrigated sugar-cane in Rhodesia.
8925

Eelworms-a progress report on a few more groups found in North-East Indian tea soils.
9025

Fine structure of the intestine of the nematodes, Ancylostoma caninum and Phocanema decipiens.
9130

Possible effects of the harbour seal bounty on codworm infestations of Atlantic cod in the Gulf of St. Lawrence, the Strait of Belle Isle, and the Labrador Sea.
9136

NEMATODIRUS BATTUS
Further experiments with low-level feeding of Thiabendazole to lambs.
9135

NEOPLASMS
The formation of tumorlike lesions in the cockroach Leucophaea maderae after anal blockage.
8880

The structure of the mammary tumor virus.
9066

NEPIDAE
The aquatic and semiaquatic Hemiptera in Oklahoma.
8667

NERVES
A general method for estimating threshold concentrations of odorant molecules.
8901

Mode of action of DDT and allethrin on nerve: Cellular and molecular mechanisms.
9178

NERVOUS SYSTEM
Neuromuscular synapses in the cockroach extensor tibiae muscle.
8700

Study of different types of activities recorded with capillary microelectrodes in the last abdominal ganglion to the cockroach, Periplaneta americana L..
8723

Nerve-blocking effect of Bacillus thuringiensis protein toxin.
8734

Humoral and nervous pathways in photoperiodic induction of diapause in Leptinotarsa decemlineata.
8742

Mode of entry of contact insecticides.
8758

Discrimination between movements of eye and object by visual interneurones of crickets.
8826

Non-homogeneous conduction in giant axons of the nerve cord of Periplaneta americana.
8827

Organization of the giant axons of the cockroach Periplaneta americana.
8861

Histological and electrophysiological studies on the giant axons of the cockroach Periplaneta americana.
8862

The formation of tumorlike lesions in the cockroach Leucophaea maderae after anal blockage.
8880

Comparative mechanisms of insecticide binding with nerve components of insects and mammals.
9176

NERVOUS SYSTEM DISEASES
Polioencephalomalacia (cerebrocortical necrosis).
9090

NEUROPTERA
Catalog of Neuroptera of Argentina and Uruguay.
8677

NEW YORK
Aerial spray tests against gypsy moth. Porthetria dispar in New York.
9004

NEWCASTLE DISEASE
On the merit of simple pricking with R2B (Mukteswar strain) for effective vaccination against New Castle (Ranikhet) disease.
9092

The trend in the evolution of the poultry vaccines and the channels of administration.
9104

(R2B) the Mukteswar virus vaccine and its characters.
9105

NICOTINE
Non-homogeneous conduction in giant axons of the nerve cord of Periplaneta americana.
8827

Control of mites and aphids on and in bulbs.
8850

Organization of the giant axons of the cockroach Periplaneta americana.
8861

Mode of action of natural insectides.
8906

NIGROSPORA ORYZAE
Factors affecting severity of seedling blight of corn in the United Arab Republic.
8976

Fungi causing seedling blight of corn in the United Arab Republic.
8977

NITIDULIDAE
Epuraea fussi Reitter equals Epuraea interjecta Sjoberg syn. nov.
8676

NITRALIN
The effects of combinations of preemergence herbicides and systemic insecticides on cotton stands and yields.
9196

NITRATED PHENOLS
A laboratory testing programme for assessing field performance of acaricides against Tetranychus urticae (Koch).
8857

NITRIC ACID
Studies on the effect of sulfuric-fuming nitric acid treatment on the analytical characteristics of toxaphene.
9153

NITROGEN
The influence of nutrition on susceptibility of peach foilage to water congestion and infection by Xanthomonas pruni.
8972

Fight stalk rot with right fertility.
8978

The utilization of the calcium sensitivity test in the investigation of the rennet activity.
9138

NITROGEN COMPOUNDS
Nitrogenous compounds in the haemolymph of the cricket. Acheta domesticus.
8894

NITROPHENOL
Synergism in the chemotherapy of Fascioliasis.
9084

NOCTUIDAE
Response of flying bollworm moths and other tympanate moths to pulsed ultrasound.
8693

Cytopathology of a nucleopolyhedrosis of the beet armyworm, Spodoptera exigua.
8773

Pathogenicity of a nuclear-polyhedrosis virus of the beet armyworm, Spodoptera exigua.
8774

A contribution to the study of the Greek species injurious to corn, of the genus Sesamia (Lepidoptera-Noctuidae).
8865

Life history and some factors affecting the population of Arzama densa in Louisiana.
8891

NOCTUISEIUS TREATI
Description of immature stages of Noctuiscius treati Prasad (Acarina: Phytosciidae).
8836

NOMENCLATURE
New names for two genera of Lepidoptera.
8638

NOSEMA
The fine structure of Nosema sp. Sprague, 1965 (Microsporida, Nosematidae) with particular reference to stages in sporogony.
9118

NOSEMA APIS
Some effects of sublethal heat on spores of Nosema apis.
8890

NOTONECTIDAE
The aquatic and semiaquatic Hemiptera in Oklahoma.
8667

Haemoglobin of Anisops niveus (Notonectidae, Heteroptera).
8829

NUCLEAR POLYHEDROSIS VIRUS
Cytopathology of a nucleopolyhedrosis of the beet armyworm, Spodoptera exigua.
8773

Pathogenicity of a nuclear-polyhedrosis virus of the beet armyworm, Spodoptera exigua.
8774

Simultaneous infection with the nucleopolyhedrosis and granulosis viruses of Trichoplusia ni.
8800

NUCLEIC ACIDS
Nucleic acid synthesis in nurse cells of Rhynchosciara angelae Nonato and Pavan, 1951.
8705

NUCLEOPROTEINS
Effect of TMV multiplication on RNA and protein synthesis in tobacco chloroplasts.
8956

Partial reconstitution of tobacco mosaic virus.
8993

NURSERIES
Should Michigan forget about peaches .
8928

NUTRIENT SOLUTIONS (PLANTS)
Toxicity of tall fescue to rape and birdfoot trefoil seeds and seedlings.
9210

NUTRITION
Nutritional requirements for reproduction of a temperature sensitive nematode, reared in axenic culture.
9030

NYMPHALIDAE
A natural hybrid butterfly of the genus Vanessa in New Zealand.
8825

NYMPHS
Effect of DDT on incorporation of C14-labeled glucose into protein and soluble intermediates of nymphal Triatoma infestans.
8743

Description of immature stages of Noctuiscius treati Prasad (Acarina: Phytoseiidae).
8836

The adult cervicothoracic musculature of the cockroach, Nauphoeta cinerea (Olivier).
8871

ODONATA
A revision of the genus Chlorocnemis Selys (Odonata).
8659

Tandem linkage in dichoptic and other Anisoptera (Odonata).
8834

Sex chromosomes and sex determining mechanisms in Odonata, with a review of the cytological conditions in the family Gomphidae, and references to the karyotypic evolution in the order.
8913

ODONTOTERMES OBESUS
Cytochemical studies on a coccidian, Chagasella ganapatii from a termite, Odontotermes obesus (Ramhur).
8724

ODORS
A general method for estimating threshold concentrations of odorant molecules.
8901

OLETHREUTIDAE
Characteristics of the stopped and scarred damages due to the coddling moth (Laspeyresia pomonella L.) with a method of interpretation of the various forms of damages observed on apples.
9002

OLIGONYCHUS
Oligonychus araneum sp. n. and Oligonychus digitatus Davis (Acarina: Tetranychidae) as pests of grasses in eastern Australia.
8622

OLIVES
Preliminary studies of the release in 1965 on the island of Chalki, of Opius concolor Szepl. (Hymen, Braconidae) a parasite of Dacus oleae Gmel. (Dipt. Trypetidae).
8864

ONAGRACEAE
Bionomic notes on the solitary Evylaeus oenotherae (Stevens) (Hymenoptera: Halictinae), a matinal summer bee visiting cultivated Onagraceae.
8785

ONCHOCERCIASIS
The Simulium control scheme at Abuja, Northern Nigeria, and its effect on the prevalence of onchocerciasis in the area.
8919

OOGENESIS
The maturation of the oocytes in the isolated abdomen of Leucophaea maderae.
8719

The production of cuticle wax by engorged females of the cattle tick, Boophilus microplus (Canestrini).
8730

Egg maturation in mosquitoes not regulated by the corpora allata.
8792

OPHIOBOLUS GRAMINIS
Studies on the nutrition and development of Gaeumannomyces graminis (Sacc.) von Arx et Olivier, the causal organism of the take-all disease of cereals.
8951

A technique for studying inhibition of the parasitic activity of Ophioholus graminis (Sacc.) Sacc. in field soils.
8969

OPIUS
Differentiation of parasitized and unparasitized pupae of the melon fly and Oriental and Mediterranean fruit flies.
8816

OPIUS CONCOLOR
Preliminary studies of the release in 1965 on the island of Chalki, of Opius concolor Szepl. (Hymen, Braconidae) a parasite of Dacus oleae Gmel. (Dipt. Trypetidae).
8864

ORGANIC COMPOUNDS
Behavior of belladonna mottle virus in serological tests in the presence of organic mercury compounds.
8966

The use of ferromyn (Ferrous succinate) in iron deficiency anemia.
9102

ORGANIZATIONS
Organising an eradication programme for Aedes aegypti in the USA.
8922

ORGANOPHOSPHORUS COMPOUNDS
Seed-corn maggot resistance to aldrin in Illinois.
8767

Trithion-a new acaricide.
8814

Method of killing pests by application of a phosphoro derivative of alpha-(methylthio) cresol. Patent 3,427,384.
8875

Mode of action of insecticides on the rice stem borer and development of resistance.
8884

Fungicidal action of organophosphorus compounds.
8963

Current status of brown soft scale in citrus groves of the lower Rio Grande Valley.
9009

Effect of insecticides on ant and spider populations in Louisiana sugarcane fields.
9015

Further evaluation of animal systemic insecticides, 1968.
9126

The gas chromatographic examination of organophosphorus pesticides. IV. The effect of cooking on organophosphorus pesticide residues.
9147

Recovery of 65 organophosphorus pesticides from Florisil with a new solvent elution system.
9148

Residue analysis in the dairy industry. in Zwig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. 1. principles, methods, and general application.
9157

Residues of Thimet on green and on field-dried alfalfa.
9160

Charcoal column cleanup method for many organophosphorus pesticide residues in crop extracts.
9163

Acute cutaneous toxicity of certain organophosphorous insecticides. I. Lebaycid.
9172

Mortality of the earthworm Lumbricus terrestris L. following soil applications of insecticides to a tobacco field.
9175

Mechanisms of pesticide interactions in vertebrates.
9177

The metabolism of Bayer 9017 in calves.
9184

The effects of combinations of preemergence herbicides and systemic insecticides on cotton stands and yields.
9196

The optinum size for insecticide spray droplets.
9231

Gas chromatography of organophosphorus pesticides: Retention times and response data on three columns.
9244

ORNAMENTAL PLANTS
A foliar disease of tuberose caused by Aphelenchoides besseyi.
9031

ORNITHONYSSUS BACOTI
Infection experiments with the cotton rat filaria Litomosoides carinii in Mastomys natalensis (Smith, 1834).
9127

OROBANCHE
Biochemical aspects of parasitism by the angiosperm parasites: Host-parasite interrelationship in phosphatase activity.
9044

ORTHOCIDE
Sensitivity of Rhizobium species to certain fungicides.
8933

ORTHOPTERA
The cavernicolous status of some species of Macropathinae (Orthoptera: Rhaphidophoridae).
8662

Wetanema hula n. gen. et sp., a nematode from the weta Hemideina thoracica (White).
8737

The mandibles of two South American grasshoppers.
8796

ORYZAEPHILUS SURINAMENSIS
Glutamic acid requirements of the saw-toothed grain beetle, Oryzaephilus surinamensis (L.) (Coleoptera, Silvanidae).
8741

OSTERTAGIA
Further experiments with low-level feeding of Thiabendazole to lambs.
9135

OSTRINIA NUBILALIS
A contribution to the study of the Greek species injurious to corn, of the genus Sesamia (Lepidoptera-Noctuidae).
8865

Fight stalk rot with right fertility.
8978

OUABAIN
Toxicity of ouahain (G-Strophanthin) to adult house flies.
8764

OULEMA MELANOPUS
Predators pitted against cereal leaf beetle.
8696

Hyalomyodes triangulifer parasitizing the cereal leaf beetle, Oulema melanopus.
8897

OVARIES
Asynchronous ovarian development in the housefly, Musca domestica L. (diptera: Muscidae), caused by dietary gamma-aminobutyric acid (GABA).
8714

The fine structure of Babesia ovis (Piroplasmidea) in Rhipicephalus bursa (Ixodoidea): Transformation of spherical forms to vermicules.
8754

The action of the endocrine system and the ovary on the hemogram of Locusta migratoria L. (Orthoptera). The role of the ventral gland.
8771

Chronological study of the function of the ovary in the Hypogastruridae. Cavern-living and epigeous Collembola: Typhlogastrura halazuei Delamare and Ceratophysella engadinensis Gisin.
8881

OVICIDES
Esters of benzimidazolecarbamic acid as mite ovicides. Patent 3,427,388.
8851

OVIPOSITION
The production of cuticle wax by engorged females of the cattle tick, Boophilus microplus (Canestrini).
8730

Corn stunt vector leafhopper attractancy to and oviposition preference for hybrid dent corn. I. Dalbulus maidis.
8732

Biology of Melichares tarsalis in association with Plodia interpunctella.
8738

Biology of the spider mite, Tetranychus evansi.
8838

Effect of male accessory material on oviposition and mating by female house flies.
8842

OVULATION
An artificial diet for the adult Japanese beetle.
8761

OXIDATION
Oxidative enzymes of Ceratocystis fimbriata isolates differing in host specificity.
9204

OXYGEN
Rate of oxygen uptake of healthy and diseased larvae of the Japanese beetle.
8895

Oxygen consumption of the western horse lubber grasshopper.
8899

OXYTOCIN
The effects of ICI 33828 and oxytocin on milk ejection and milk production in the lactating sow.
9074

PALEARCTIC REGION
Palearctic species of egg parasites of the genus Telenomus haliday (Hymenoptera, Scelionidae, Telenominae).
8645

PANAMA
Vesicular stomatitis virus infections in Panamanian primates and other vertebrates.
9119

PANONYCHUS ULMI
Winter control of the European red mite, Panonychus ulmi, and certain fruit insects by M-2060 (2-fluoroethyl(4-biphenylyl)acetate) in Italy.
8691

Integrated chemical control of insects and biological control of mites on apple in Washington.
9010

PAPER MATERIALS
Utility of areca nut husk in horticulture. .
8927

PARADICHLOROBENZENE
Control of mites and aphids on and in bulbs.
8850

PARAQUAT
Effect of herbicides on the valuations of made tea.
9212

PARASITES
Palearctic species of egg parasites of the genus Telenomus haliday (Hymenoptera, Scelionidae, Telenominae).
8645

PARASITIC INSECTS
Nasal Acarina of birds and mammals of Brazil. I. Rhinonyssidae of the Belem region (North Brazil).
8617

Microctonus glyptoscelis n. sp., a parasite of Glyptoscelis pubescens (F.) in Wisconsin (Hymenoptera: Braconidae: Euphorinae and Coleoptera: Chrysomelidae).
8648

Further studies on the Tarsonemidae, II (Acarina).
8672

Mallophaga from birds of the Oriental Region. Part IX. Sturnidoecus philippensis, n. sp. (Isehnocera: Philopteridae).
8680

A new record for a parasite of the alfalfa weevil in Eastern United States, Eriplanus micator (Gravenhorst) (Hymenoptera: Ichneumonidae).
8716

Rearing Phryxe caudata Rond. (Larvaevoridae), a parasite of Thaumetopoaea pytocampa Schiff. on an alternate host: Galleria mellonella.
8744

The natural control of the apple-grass aphid, Rhopalosiphum insertum, with remarks on the control of apple aphids in the Netherlands in general.
8752

The incidence of parasitism and disease in some populations of the cabbage aphid,(Brevicoryne brassicae L.) in New Zealand.
8799

Differentiation of parasitized and unparasitized pupae of the melon fly and Oriental and Mediterranean fruit flies.
8816

Description of immature stages of Noetuiseius treati Prasad (Acarina: Phytoseiidae).
8836

Hyalomyodes triangulifer parasitizing the cereal leaf beetle, Oulema melanopus.
8897

Factors influencing egg survival of Scolypopa australis Walker (Hemiptera-Homoptera: Ricaniidae) in the Sydney area (N. S. W. Australia).
9005

Insect parasites in the natural control of species of rice stem borers on Luzon Island, Philippines.
9012

Some ecological observations and results of the control of Argyresthia fundella F. R.
9022

PARASITIC PLANTS
Biochemical aspects of parasitism by the angiosperm parasites: Host-parasite interrelationship in phosphatase activity.
9044

Records of the higher fungi of Minnesota.
9050

PARASITISM
Cytochemical studies on a coccidian, Chagasella ganapatii from a termite, Odontotermes obesus (Ramhur).
8724

A new species of the genus Pegosomum Ratz, 1903 (Trematoda: Echinostomatidae).
8747

The fine structure of Babesia ovis (Piroplasmidea) in Rhipicephalus bursa (Ixodoidea): Transformation of spherical forms to vermicules.
8754

Experiments with Beauveria bassiana (Bals) Vuill. against Blastophagus piniperda L. (Col., Scolytidae).
8822

The infestation of timber by bark beetles (Col., Scolytidae) and their enemies in different zones of the Finnish southwestern archipelago.
8823

Nematodes of the family Tetradonematidae, parasitizing in members of the family Simuliidae (Diptera).
8844

Preliminary studies of the release in 1965 on the island of Chalki, of Opius concolor Szepl. (Hymen, Braconidae) a parasite of Dacus oleae Gmel. (Dipt. Trypetidae).
8864

New symphoriont intranstylum - species (Peritricha, Ciliata) on larvae of Chironomous plumosus.
8869

Factors affecting the sex ratio of Aphytis proclia Wlk. (Hymenoptera, Aphelinidae), external parasite on the San Jose scale.
8873

The occurrence of Piptocephalis in soils and its isolation.
8929

A technique for studying inhibition of the parasitic activity of Ophiobolus graminis (Sacc.) Sacc. in field soils.
8969

Isolation of Toxoplasma gondii from naturally infected chickens.
9072

Postmortem pulmonary arteriography in canine dirofilariasis.
9132

The inhibitory effect of a dithiosemicarbazone on acute infections of Anaplasma marginale.
9134

Further experiments with low-level feeding of Thiabendazole to lambs.
9135

Possible effects of the harbour seal bounty on codworm infestations of Atlantic cod in the Gulf of St. Lawrence, the Strait of Belle Isle, and the Labrador Sea.
9136

PARATHION
Control of the lesser cornstalk borer attacking peanuts.
9008

The leaf snout weevil of the avocado.
9018

Pesticide residues in foods in relation to human health.
9170

PARTHENOGENESIS
Some Australian parthenogenetic Chironomidae (Diptera).
8626

PARTICLE SIZE DETERMINATION
The fluorescent particle spray droplet tracer method.
9230

The optimum size for insecticide spray droplets.
9231

PASTEURELLA
Morphology, physiology, and serology of a Pasteurella species pathogenic for white perch (Roccus americanus).
9081

Survey observations on ovine mastitis in New Zealand stud Romney flocks. 2. The bacteriology of ovine mastitis.
9100

PASTURES
Oligonychus araneum sp. n. and Oligonychus digitatus Davis (Acarina: Tetranychidae) as pests of grasses in eastern Australia.
8622

Colitis X (exhaustion shock) in a pregnant mare.
9076

PATENTS
Esters of benzimidazolecarbamic acid as mite ovicides. Patent 3,427,388.
8851

Method of killing pests by application of a phosphoro derivative of alpha-(methylthio) cresol. Patent 3,427,384.
8875

Certain 2-alkanoylamino-5-halothiazoles. Patent 3,427,318.
9036

Iminodioxolanes as herbicides. Patent 3,427,147.
9040

Phenoxypyridazines as herbicides. Patent 3,427,146.
9047

3-methylene-androstan-17beta-ols and 17-alkyl derivatives thereof. Patent 3,427,386.
9063

Propargyl 2-bromodecanoate. Patent 3,427,333.
9195

Antibacterial composition containing 5-nitro-2-furyl-1,2,4-triazoles. Patent 3,427,387.
9218

Long-chain bisphenol esters. Patent 3,427,345.
9232

PEACHES
Should Michigan forget about peaches .
8928

Factors involved in the development of peach seedling cankers induced by chilling.
8943

The influence of nutrition on susceptibility of peach foilage to water congestion and infection by Xanthomonas pruni.
8972

Role of Pythium in damping-off of peach.
8975

Caloneetria floridana sp. nov., the perfect stage of Cylindrocladium floridanum.
8990

Infestation of peaches by Rhagoletis suavis.
9006

PEANUTS
Control of the lesser cornstalk borer attacking peanuts.
9008

PEARS
Dark green epinasty of Chenopodium quinoa, a syndrome induced by a virus latent in apple and pear.
8998

The preservation of fruit.
9139

PEAS
Pea enation mosaic virus: Glucose catabolism in leaves and pods of infected peas.
8938

Genetic studies of pea leaf-roll (top-yellows) virus resistance in Pisum sativum.
8942

Chemical control of pea root rot by soil-incorporation and in-furrow treatments with 1-chloro-2-nitropropane.
8954

Temperature response of seeds during the early phases of germination and its relation to injury by Rhizoctonia solani.
8983

Cell-wall deposition and the distribution of cytoplasmic elements after treatment of pea internodes with the auxin analog 2,3,5-triiodobenzoic acid.
9188

PEBULATE
Evaluation of herbicides applied to the soil for weed control in irrigated sugar beets.
9039

PECTINASE
The surface localization of polygalacturonase in spores of Geotrichum candidum.
8937

PENICILLIUM CHRYSOZENUM
On the primary stages of orthophosphate absorbtion by mycelium of Penicillium chrysogenum.
9202

PENICILLIUM OXALICUM
Factors affecting severity of seedling blight of corn in the United Arab Republic.
8976

Fungi causing seedling blight of corn in the United Arab Republic.
8977

PENICILLIUM RUBRUM
Mycotoxicosis associated with hemorrhagic enterocolitis and abortion in swine.
9062

PENTACHLOROBENZYL ALCOHOL
Pentachlorobenzyl alcohol, a rice blast control agent.
8960

PENTACHLOROPHENOL
Photochemical degradation products of pentachlorophenol.
9237

PENTATOMIDAE
An electron microscope study of nebenkern formation and differentiation in spermatids of Murgantia histrionica (Hemiptera, Pentatomidae).
8837

PEPTIDES
Naturally occurring low-molecular-weight peptides from the blowfly Phormia regina.
8713

PERENNIAL PLANTS
Alteration of plant growth habit as a means of controlling rhizomatous species.
9037

PERILAMPSIS
Studies of fruitflies associated with mistletoe in Australia and Pakistan with notes and descriptions on genera related to Perilampsis Bezzi Diptera: Tephritidae.
8635

PERIPLANETA AMERICANA
Neuromuscular synapses in the cockroach extensor tibiae muscle.
8700

Cycloheximide, amino acid incorporation and learning in the isolated cockroach ganglion.
8720

Study of different types of activities recorded with capillary microelectrodes in the last abdominal ganglion to the cockroach, Periplaneta americana L..
8723

Esterases and phosphatases in the gastric secretion of the cockroach, Periplaneta americana.
8733

The existence of lysosomic inclusions in the adipose cells of Periplaneta americana (Blattidae).
8759

Non-homogeneous conduction in giant axons of the nerve cord of Periplaneta americana.
8827

Organization of the giant axons of the cockroach Periplaneta americana.
8861

Histological and electrophysiological studies on the giant axons of the cockroach Periplaneta americana.
8862

The adult cervicothoracic musculature of the cockroach, Nauphoeta cinerea (Olivier).
8871

An active reduction of water level in insect cuticle.
8902

PERSIMMONS
Presence of two tree vascular diseases confirmed in Arkansas.
9000

PEST CONTROL
Superflies beat dichlorodiphenyltrichloroethane.
8697

Sugar-cane moth borers in the Caribbean.
8974

Control of thar (Hemitragus jemlahicus): Evaluation of a poisoning technique.
9051

PEST CONTROL OPERATORS
The PCO market in tick control.
8859

PESTICIDE ANALYSIS
Fluorometric determination of pesticides.
9229

It's tough to pinpoint residue content.
9242

PESTICIDE APPLICATION
The fluorescent particle spray droplet tracer method.
9230

PESTICIDE MONITORING PROGRAM
Report on pesticide formulations.
9220

PESTICIDE RESIDUES
An appraisal of high, medium and low volume methods of spray application.
8722

Trithion-a new acaricide.
8814

Charcoal diet for cattle.
9146

The gas chromatographic examination of organophosphorus pesticides. IV. The effect of cooking on organophosphorus pesticide residues.
9147

Recovery of 65 organophosphorus pesticides from Florisil with a new solvent elution system.
9148

Notice of filing of petition regarding pesticide chemicals.
9150

Notice of filing of petition regarding pesticide chemicals.
9151

Modification of the carbon disulfide evolution method for dithiocarbamate residues.
9154

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. p-Chlorophenyl-2,4,5-trichlorophenyl sulfide.
9155

Alkaline pre-column for use in gas chromatographic pesticide residue analysis.
9156

Residue analysis in the dairy industry. in Zwig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. 1. principles, methods, and general application.
9157

Acetonitrile extraction and determination of carbaryl in fruits and vegetables.
9158

Indoxyl acetate spray reagent for fluorogenic detection of cholinesterase inhibitors in environmental samples.
9159

Gas chromatographic determination of residues of dimethoate and its oxygen analog in field-sprayed kale.
9162

Charcoal column cleanup method for many organophosphorus pesticide residues in crop extracts.
9163

Comparison of four extraction and cleanup procedures for chlorinated pesticide residues in eggs.
9164

Respiratory exposure of dairy animals to pesticides.
9165

DDT residues and declining reproduction in Bermuda petrel.
9166

Pesticide residues in foods in relation to human health.
9170

Report on carbamate pesticides.
9217

IUPAC commission on the development, improvement, and standardization of methods of pesticide residue analysis.
9224

Report on multiple residue methods.
9233

Bratton-Marshall reagent for the detection of substituted urea herbicides and metabolites on TLC plates.
9240

It's tough to pinpoint residue content.
9242

PESTICIDES
Control of equine piroplasmosis in Florida.
9065

Charcoal diet for cattle.
9146

Mechanisms of pesticide interactions in vertebrates.
9177

Growth response of turfgrasses to several herbicides.
9211

Report on carbamate pesticides.
9217

Report on pesticide formulations.
9220

Experimental approaches to pesticide photodecomposition.
9221

Rubidium sulfate flame detector: Effect of design of alkali source and anode on sensitivity and stability.
9222

Fluorometric determination of pesticides.
9229

Report on phosphated pesticides.
9236

Photochemical degradation products of pentachlorophenol.
9237

Gas chromatography of organophosphorus pesticides: Retention times and response data on three columns.
9244

An experimental pesticide dust-metering unit.
9246

PETROLEUM
Comparison of white gasoline and n-heptane for recovery of insect fragments and rodent hairs from food products.
9142

Studies on effects of forest sprayings with insecticides, 1952-63, on fish and aquatic invertebrates in New Brunswick streams: Introduction and summary.
9144

PHARMACOLOGY
Antibacterial composition containing 5-nitro-2-furyl-1,2,4-triazoles. Patent 3,427,387.
9218

PHASMATIDAE
Homograft of the tarsus into the place of the eye in the phasmid Sipyloidea sipylus W.
8888

PHENACASPIS PINIFOLIAE
Seasonal history of a unisexual population of the pine needle scale, Phenacaspis pinifoliae.
8870

PHENOLS
Long-chain bisphenol esters. Patent 3,427,345.
9232

PHENOXYACETIC ACID COMPOUNDS
Comparison of the movement and vascular differentiation effects of the endogenous auxin and of phenoxyacetic weedkillers in stems and petioles of Coleus and Phaseolus.
9197

PHENOXYACETIC ACIDS
The strategy of finding fungicides.
8959

PHENTHOATE
Gas chromatographic determination of ethyl O,O-dimethyl-dithiophosphoryl-1-phenyl acetate in technical grade cidial and its 50 percent liquid formulation.
9216

PHENYLMERCURIC ACETATE
Sensitivity of Rhizobium species to certain fungicides.
8933

PHENYLMERCURIC COMPOUNDS
On the fungicidal action of phenylmercuric compounds.
8961

PHENYLURETHANE
Similarity between phytokinins and herbicidal phenylurethanes.
9043

PHEROMONES
Bioassay, preliminary purification, and effect of age, crowding, and mating on the release of sex pheromone by female Tenebrio molitor.
8765

Trails of the leafcutters.
8812

Comparative production of pheromone by the California red scale reared on lemons and potatoes.
8841

PHILANTHUS
The hunt of the wasps at Jackson Hole.
8627

PHILOPTERIDAE
Mallophaga from birds of the Oriental Region. Part IX. Sturnidoecus philippensis, n. sp. (Ischnocera: Philopteridae).
8680

PHLOEM
Occurrence of virus particles in the phloem tissue of BYDV-infected barley.
8962

PHORATE
Seed-corn maggot resistance to aldrin in Illinois.
8767

Residues of Thimet on green and on field-dried alfalfa.
9160

The effects of combinations of preemergence herbicides and systemic insecticides on cotton stands and yields.
9196

PHORMIA REGINA
Naturally occurring low-molecular-weight peptides from the blowfly Phormia regina.
8713

Further evaluation of animal systemic insecticides, 1968.
9126

PHOSPHATASES
Esterases and phosphatases in the gastric secretion of the cockroach, Periplaneta americana.
8733

Occurrence of an alkaline phosphomonoesterase associated with the brochosomes in the malpighian tubules of Cicadella viridis Lin. (Homoptera).
8762

Biochemical aspects of parasitism by the angiosperm parasites: Host-parasite interrelationship in phosphatase activity.
9044

PHOSPHATES
Integumental absorption versus oral ingestion of phosphate and other materials by common cattle grubs held in vitro.
8726

On the primary stages of orthophosphate absorbtion by mycelium of Penicillium chrysogenum.
9202

Report on phosphated pesticides.
9236

PHOSPHOLIPASE
A phosphatidase produced by Sclerotium rolfsii.
8995

Studies on the biosynthesis and degradation of phosphatidylbeta-methylcholine by housefly larvae. (Abstract).
9060

PHOSPHOLIPIDS
A role for phospholipid hydrolysis in the lysis of Escherichia coli infected with bacteriophage T4.
9068

PHOSPHORUS
Fight stalk rot with right fertility.
8978

PHOSPHORUS COMPOUNDS
Method of killing pests by application of a phosphoro derivative of alpha-(methylthio) cresol. Patent 3,427,384.
8875

Indoxyl acetate spray reagent for fluorogenic detection of cholinesterase inhibitors in environmental samples.
9159

PHOTOCHEMISTRY
Effects of light and 2,4-dichlorophenoxyacetic acid on the glutathione reductase and other NADP-UTILIZING enzymes of excised cotton cotyledons.
9187

Experimental approaches to pesticide photodecomposition.
9221

Activation and inactivation of herbicides by higher plants.
9235

Photochemical degradation products of pentachlorophenol.
9237

PHOTOPERIODISM
Humoral and nervous pathways in photoperiodic induction of diapause in Leptinotarsa decemlineata.
8742

PHOTOSYNTHESIS
Effect of simazine on photosynthetic pigments of green algae.
9209

Mode-of-action of photosynthesis inhibtor herbicides.
9215

PHOTOTROPISM
2,3,6-trichlorobenzoic and 2,6-dichlorobenzoic acid interference with phototropic and geotropic responses of seedlings.
9213

PHYSIOLOGY
Morphology and development of an occluded virus from the black-soil scarab, Othnonius batesi.
8760

Pentachlorobenzyl alcohol, a rice blast control agent.
8960

On the fungicidal action of phenylmercuric compounds.
8961

Fungicidal action of organophosphorus compounds.
8963

Morphology, physiology, and serology of a Pasteurella species pathogenic for white perch (Roccus americanus).
9081

A study of the thermosensitive mutants of the vesicular stomatitis virus (VSV). The classification of several mutants by the criteria of function.
9088

Comparative mechanisms of insecticide binding with nerve components of insects and mammals.
9176

PHYTOPATHOLOGY
Exclusive hypovirulence, an original phenomenon in vegetable pathology.
8953

PHYTOPHAGOUS INSECTS
Phytophagous ground beetles.
8776

PHYTOPHTHORA
A serological comparison of six heterothallic species of Phytophthora.
8973

PHYTOPHTHORA CITROPHTHORA
A serological comparison of six heterothallic species of Phytophthora.
8973

PHYTOPHTHORA PALMIVORA
Phytophthora leaf fall and pod rot of Hevea brasiliensis in Thailand.
8939

PHYTOPHTHORA PARASITICA NICOTIANAE
Calcium nutrition and black shank of tobacco.
8999

PHYTOSEIIDAE
Seven new species and records of phytoseiid mites from Missouri (Acarina: Phytoseiidae).
8689

PHYTOTOXICITY
Trithion-a new acaricide.
8814

Biological activity of a phytotoxic glycopeptide produced by Corynebacterium sepedonicum.
9180

PICEA
A review of lepidopterous pests of coniferous forests in the Baykal Region.
9019

Records of the higher fungi of Minnesota.
9050

PICLORAM
The influence of environment on the phytotoxicity of dicamba, picloram, bromoxynil and 2,4-D ester.
9041

PIGEONS
Tylan very effective in treating pigeons.
9173

PIGMENTS
Effect of simazine on photosynthetic pigments of green algae.
9209

PIGMENTS (INSECT)
The action of actinomycin D on the pigmentation of albino mutants of the locust Locusta migratoria cinerascens L. (Orthop.).
8756

On the tetrapyrrolic pigments of Lepidoptera,.
8892

PINE NEEDLES
Some ecological observations and results of the control of Argyresthia fundella F. R.
9022

PINUS
Dispersion of released white-pine weevils in intrastand growth types.
8766

A review of lepidopterous pests of coniferous forests in the Baykal Region.
9019

PINUS SYLVESTRIS
Field evaluation of three granular systemic insecticides for control of the aphids Eulachnus agilis and Cinara pinea on scotch pine.
8782

PIPERONAL BIS(2-(2-BUTOXYETHOXY)ETHYL) ACETAL
Thin-layer chromatography of rat bile and urine following intravenous administration of pesticidal synergists.
9171

PIPERONYL BUTOXIDE
Thin-layer chromatography of rat bile and urine following intravenous administration of pesticidal synergists.
9171

PIPTOCEPHALIS
The occurrence of Piptocephalis in soils and its isolation.
8929

PIROPLASMOSIS
The fine structure of Babesia ovis (Piroplasmidea) in Rhipicephalus bursa (Ixodoidea): Transformation of spherical forms to vermicules.
8754

Control of equine piroplasmosis in Florida.
9065

PISSODES STROBI
Dispersion of released white-pine weevils in intrastand growth types.
8766

PISUM SATIVUM
Genetic studies of pea leaf-roll (top-yellows) virus resistance in Pisum sativum.
8942

Invasion of plant tissue by bacteria under in vitro conditions.
8997

PITCH
The pitch of tobacco mosaic virus.
8948

PITYOGENES CHALCOGRAPHUS
The infestation of timber by bark beetles (Col., Scolytidae) and their enemies in different zones of the Finnish southwestern archipelago.
8823

PITYOGENES QUADRIDENS
The infestation of timber by bark beetles (Col., Scolytidae) and their enemies in different zones of the Finnish southwestern archipelago.
8823

PLANKTON
DDT residues in a East Coast estuary, a case of biological concentration of a persistent insecticide.
9145

PLANT ABNORMALITIES
Character expressions and casual genes of some mutants in rice plant. Genetical studies on rice plant, XXXIII.
8930

PLANT BIOCHEMISTRY
Effects of light and 2,4-dichlorophenoxyacetic acid on the glutathione reductase and other NADP-UTILIZING enzymes of excised cotton cotyledons.
9187

The effects of combinations of preemergence herbicides and systemic insecticides on cotton stands and yields.
9196

Lipid metabolism in the fruit of Persea americana Mill. I. Studies on the chemical composition of lipids and their changes during fruit development and storage.
9201

Chemical growth retardants for bedding plants.
9203

Oxidative enzymes of Ceratocystis fimbriata isolates differing in host specificity.
9204

The metabolism of carbon-14 specifically labelled glucose in leaves showing tobacco mosaic virus induced local necrotic lesions.
9205

Growth response of turfgrasses to several herbicides.
9211

PLANT BREEDING
Studies in polyploid varieties of sugar beets. X. Chromosomal variation in progeny of crosses involving diploid, triploid and tetraploid plants.
8931

The relative efficiency of ear-to-row and convergent improvement in increasing disease resistance of Zea mays.
8996

PLANT CONTAMINATION
The method and role of vertical transmission of a nucleopolyhedrosis virus in the European spruce fly, Diprion hercyniae.
8818

PLANT CYTOLOGY
Cell-wall deposition and the distribution of cytoplasmic elements after treatment of pea internodes with the auxin analog 2,3,5-triiodobenzoic acid.
9188

PLANT DISEASE RESISTANCE
Corn stunt vector leafhopper attractancy to and oviposition preference for hybrid dent corn. I. Dalbulus maidis.
8732

Team alfalfa scores high.
8926

Genetic studies of pea leaf-roll (top-yellows) virus resistance in Pisum sativum.
8942

The development of resistance in Cladosporium cucumerinum against 6-azauracil, a chemotherapeutant of cucumber scab, and its relation to biosynthesis of RNA-PRECURSORS.
8944

Pattern of cell death in sorghum stalk tissue as a measure of the susceptibility to spread of Colletotrichum graminicola in fifty-five sorghum varieties.
8965

The relative efficiency of ear-to-row and convergent improvement in increasing disease resistance of Zea mays.
8996

PLANT DISEASE TRANSMISSION
Occurrence of virus particles in the phloem tissue of BYDV-infected barley.
8962

Transmission of apple viruses by leaf tissue implantation.
8992

Transmission of strawberry mottle virus by juice and aphids to herbaceous hosts.
9007

Additional evidence of multiplication of the sowthistle yellow vein virus in an aphid vector-serial passage.
9024

PLANT DISEASES
Banana diseases in the Pacific area.
8924

Team alfalfa scores high.
8926

Genetic studies of pea leaf-roll (top-yellows) virus resistance in Pisum sativum.
8942

Exclusive hypovirulence, an original phenomenon in vegetable pathology.
8953

Effect of TMV multiplication on RNA and protein synthesis in tobacco chloroplasts.
8956

Purification of soybean mosaic virus.
8958

Occurrence of virus particles in the phloem tissue of BYDV-infected barley.
8962

The production of new types of symptoms by mixtures of different components of two strains of alfalfa mosaic virus.
8970

Agricultural microbiology.
8980

A leaf disorder of cacao in Costa Rica.
8982

New or uncommon plant diseases and pests; smut (Entyloma compositarum) of Gaillardia aristata Pursh.
8985

Partial reconstitution of tobacco mosaic virus.
8993

A foliar disease of tuberose caused by Aphelenchoides besseyi.
9031

Records of the higher fungi of Minnesota.
9050

The preservation of fruit.
9139

PLANT DORMANCY
Some features of the physiology of dormancy in black currant plants in connection with the effect of gibberellin.
9199

PLANT DWARFING
An hypothesis for selection of strains of potato leaf roll virus by passage through Physalis floridana.
8940

PLANT ECOLOGY
The influence of environment on the phytotoxicity of dicamba, picloram, bromoxynil and 2,4-D ester.
9041

PLANT EXTRACTS
Charcoal column cleanup method for many organophosphorus pesticide residues in crop extracts.
9163

Occurrence of plant growth inhibitors in tropical and subtropical vegetation.
9189

Analysis of a single crop extract for substituted urea herbicides and metabolites, chlorinated insecticides, and amitrole.
9239

PLANT GALLS
Virus-like particles in galls on sugarcane plants affected by Fiji disease.
8994

PLANT GENETICS
Character expressions and casual genes of some mutants in rice plant. Genetical studies on rice plant, XXXIII.
8930

Studies in polyploid varieties of sugar beets. X. Chromosomal variation in progeny of crosses involving diploid, triploid and tetraploid plants.
8931

Genetic studies of pea leaf-roll (top-yellows) virus resistance in Pisum sativum.
8942

Production of yeast variants by auxin and effects of plant growth regulators on these variants.
9214

PLANT GROWTH INHIBITORS
Sensitivity of Rhizobium species to certain fungicides.
8933

Phenoxypyridazines as herbicides. Patent 3,427,146.
9047

Occurrence of plant growth inhibitors in tropical and subtropical vegetation.
9189

Auxin control of leaf abscission. I. Experiments with Ervatamia divaricata Burkill., var. flore-pleno.
9190

Propargyl 2-bromodecanoate. Patent 3,427,333.
9195

Toxicity of tall fescue to rape and birdfoot trefoil seeds and seedlings.
9210

PLANT GROWTH REGULATOR
Progress in the knowledge of natural plant growth regulators.
9208

Report on herbicides and plant growth regulators.
9245

PLANT HISTOLOGY
Comparison of the movement and vascular differentiation effects of the endogenous auxin and of phenoxyacetic weedkillers in stems and petioles of Colens and Phaseolus.
9197

PLANT HORMONES
Cell-wall deposition and the distribution of cytoplasmic elements after treatment of pea internodes with the auxin analog 2,3,5-triiodobenzoic acid.
9188

Progress in the knowledge of natural plant growth regulators.
9208

Production of yeast variants by auxin and effects of plant growth regulators on these variants.
9214

PLANT HOSTS
The development and larval behavior of Stigmella malella Stainton. (Lep. Stigmellidae).
8728

PLANT INJURIES
Etiella zinckenella Treit-a pod borer pest of Crotalaria anagyroides H.B.K.
8778

Wound dressings for the prevention of silver-leaf in fruittrees caused by Stereum purpureum (Pers.) Fr.
8946

Characteristics of the stopped and scarred damages due to the coddling moth (Laspeyresia pomonella L.) with a method of interpretation of the various forms of damages observed on apples.
9002

Chemical control of the juniper webworm on Irish juniper.
9016

Experiments on the control of root pests of Brassicae.
9021

Biological activity of a phytotoxic glycopeptide produced by Corynebacterium sepedonicum.
9180

PLANT METABOLISM
Biochemical aspects of parasitism by the angiosperm parasites: Host-parasite interrelationship in phosphatase activity.
9044

The metabolism of radiostrontium by plants. (Abstract).
9191

Role of RNA metabolism in the action of auxin-herbicides.
9194

Lipid metabolism in the fruit of Persea americana Mill. I. Studies on the chemical composition of lipids and their changes during fruit development and storage.
9201

PLANT MORPHOLOGY
Character expressions and casual genes of some mutants in rice plant. Genetical studies on rice plant, XXXIII.
8930

Studies on the nutrition and development of Gaeumannomyces graminis (Sacc.) von Arx et Olivier, the causal organism of the take-all disease of cereals.
8951

PLANT MUTATION
Production of yeast variants by auxin and effects of plant growth regulators on these variants.
9214

PLANT NEMATODES
The distribution of the family Heteroderidae (Filipjev, 1934) in South Africa and some host records of Meloidogyne species.
9026

On the knowledge of the seasonal dynamics of heteroderosis in sugar beets in East-Slovakia (CSSR).
9027

The relation of climatic factors to the duration of the development of Heterodera schachtii in Slovakia (CSSR).
9028

Xiphinema americanum associated with maple decline in Massachusetts.
9029

Nutritional requirements for reproduction of a temperature sensitive nematode, reared in axenic culture.
9030

A foliar disease of tuberose caused by Aphelenchoides besseyi.
9031

Investigations on the migratory root nematode Pratylenchus neglectus on fodder grasses.
9033

The effect of soil fumigation on the growth of sugar beet.
9193

PLANT NUTRITION
Studies on the nutrition and development of Gaeumannomyces graminis (Sacc.) von Arx et Olivier, the causal organism of the take-all disease of cereals.
8951

The influence of nutrition on susceptibility of peach foilage to water congestion and infection by Xanthomonas pruni.
8972

Calcium nutrition and black shank of tobacco.
8999

PLANT PEST CONTROL
Observations on bird tanglefoot traps as a direct method of apple maggot control.
9014

Effect of herbicides on the valuations of made tea.
9212

PLANT PEST RESISTANCE
Team alfalfa scores high.
8926

PLANT PHYSIOLOGY
Character expressions and casual genes of some mutants in rice plant. Genetical studies on rice plant, XXXIII.
8930

Wound dressings for the prevention of silver-leaf in fruittrees caused by Stereum purpureum (Pers.) Fr.
8946

Studies on the nutrition and development of Gaeumannomyces graminis (Sacc.) von Arx et Olivier, the causal organism of the take-all disease of cereals.
8951

Effects of the fungus Erysiphe graminis f. sp. hordei Marchal on the transpiration of barley.
8979

Invasion of plant tissue by bacteria under in vitro conditions.
8997

Alteration of plant growth habit as a means of controlling rhizomatous species.
9037

Chemical mediation of growth movements in dodder.
9038

Iminodioxolanes as herbicides. Patent 3,427,147.
9040

Similarity between phytokinins and herbicidal phenylurethanes.
9043

Chemical weed control in cotton: I. Growth and yield response of cotton plants to some herbicides.
9045

Biological activity of a phytotoxic glycopeptide produced by Corynebacterium sepedonicum.
9180

Cell-wall deposition and the distribution of cytoplasmic elements after treatment of pea internodes with the auxin analog 2,3,5-triiodobenzoic acid.
9188

Auxin control of leaf abscission. I. Experiments with Ervatamia divaricata Burkill., var. flore-pleno.
9190

The effect of soil fumigation on the growth of sugar beet.
9193

Role of RNA metabolism in the action of auxin-herbicides.
9194

The effects of combinations of preemergence herbicides and systemic insecticides on cotton stands and yields.
9196

Comparison of the movement and vascular differentiation effects of the endogenous auxin and of phenoxyacetic weedkillers in stems and petioles of Colens and Phaseolus.
9197

Yeast sporulation and RNA as affected by gibberellic acid.
9198

Some features of the physiology of dormancy in black currant plants in connection with the effect of gibberellin.
9199

On the mode of action of carbamate herbicides.
9200

Lipid metabolism in the fruit of Persea americana Mill. I. Studies on the chemical composition of lipids and their changes during fruit development and storage.
9201

Chemical growth retardants for bedding plants.
9203

Fine structure of healthy and TMV-INFECTED tobacco cells grown in tissue culture.
9206

Effect of sucrose and indole-3-acetic acid on extension growth of wheat coleoptile segments.
9207

Progress in the knowledge of natural plant growth regulators.
9208

Effect of simazine on photosynthetic pigments of green algae.
9209

Growth response of turfgrasses to several herbicides.
9211

Mode-of-action of photosynthesis inhibtor herbicides.
9215

Activation and inactivation of herbicides by higher plants.
9235

PLANT PROTECTION
Wound dressings for the prevention of silver-leaf in fruittrees caused by Stereum purpureum (Pers.) Fr.
8946

Factors affecting severity of seedling blight of corn in the United Arab Republic.
8976

Experiments on the control of root pests of Brassicae.
9021

PLANT REGULATORS
Invasion of plant tissue by bacteria under in vitro conditions.
8997

Auxin control of leaf abscission. I. Experiments with Ervatamia divaricata Burkill., var. florepleno.
9190

Role of RNA metabolism in the action of auxin-herbicides.
9194

Comparison of the movement and vascular differentiation effects of the endogenous auxin and of phenoxyacetic weedkillers in stems and petioles of Colens and Phaseolus.
9197

Chemical growth retardants for bedding plants.
9203

Effect of sucrose and indole-3-acetic acid on extension growth of wheat coleoptile segments.
9207

Toxicity of tall fescue to rape and birdfoot trefoil seeds and seedlings.
9210

2,3,6-trichlorobenzoic and 2,6-dichlorobenzoic acid interference with phototropic and geotropic responses of seedlings.
9213

Production of yeast variants by auxin and effects of plant growth regulators on these variants.
9214

PLANT REPRODUCTION
Alteration of plant growth habit as a means of controlling rhizomatous species.
9037

PLANT TAXONOMY
New or uncommon plant diseases and pests; smut (Entyloma compositarum) of Gaillardia aristata Pursh.
8985

PLANT TISSUES
Invasion of plant tissue by bacteria under in vitro conditions.
8997

PLANT TRANSLOCATION
The metabolism of radiostrontium by plants. (Abstract).
9191

PLANT TRANSPIRATION
Effects of the fungus Erysiphe graminis f. sp. hordei Marchal on the transpiration of barley.
8979

PLANTING
Factors affecting severity of seedling blight of corn in the United Arab Republic.
8976

PLANTS
The influence of environment on the phytotoxicity of dicamba, picloram, bromoxynil and 2,4-D ester.
9041

2,3,6-trichlorobenzoic and 2,6-dichlorobenzoic acid interference with phototropic and geotropic responses of seedlings.
9213

PLASMA MEMBRANE
Electron microscopical observations on Mycobacterium johnei.
9115

PLASMODIUM
Susceptibility of Anopheles (Myzomyia) stephensi to Plasmodium cathemerium.
8819

PLODIA INTERPUNCTELLA
Biology of Melichares tarsalis in association with Plodia interpunctella.
8738

POA PRATENSIS
Infection of Merion bluegrass, Poa pratensis, by stripe smut, Ustilago striiformis.
8957

Growth response of turfgrasses to several herbicides.
9211

POD ROT
Phytophthora leaf fall and pod rot of Hevea brasiliensis in Thailand.
8939

POISONING
Arsenic poisoning of cattle and other domestic animals.
9096

POISONOUS GASES
Intoxification of swine with noxious gases.
9095

POISONOUS PLANTS
Sequence in the abortive and teratogenic effects of locoweed fed to sheep.
9080

POISONS
Control of thar (Hemitragus jemlahicus): Evaluation of a poisoning technique.
9051

POLAROGRAPHY
Acetonitrile extraction and determination of carbaryl in fruits and vegetables.
9158

Report on carbamate pesticides.
9217

POLIANTHES TUBEROSA
A foliar disease of tuberose caused by Aphelenchoides besseyi.
9031

POLIOENCEPHALOMALACIA
Polioencephalomalacia (cerebrocortical necrosis).
9090

POLYACRYLAMIDE
Proteins of vesicular stomatitis virus. I. Polyacrylamide gel analysis of viral antigens.
9083

POLYHEDROSES
The nucleopolyhedrosis virus of Heliothis: Quantitative in vivo estimates of virulence.
8694

Nucleic acid in intact nuclear polyhedral bodies isolated from virus-infected fall armyworm, Spodoptera frugiperda.
8745

Immunofluoreseence studies on the multiplication of cytoplasmic-polyhedrosis virus of the silkworm, Bombyx mori.
8781

Heat effects on the infectivity of the nuclear polyhedrosis virus of Heliothis spp.
8801

The method and role of vertical transmission of a nucleopolyhedrosis virus in the European spruce fly, Diprion hereyniae.
8818

The influence of infections of nuclear-polyhedrosis virus on adult cabbage loopers and their progeny.
8889

POLYMERS
On the structure of the glycerol teichoic acid from the cell wall of Actinomyces antibioticus-39. zaretskaja, m s.
9238

POLYMORPHISM
Anomalous dimorphism in Aedes vexans.
8736

Acetylcholinesterase polymorphism in the face fly (Diptera: Muscidae).
8786

Mating propensity, chromosomal polymorphism, and dependent conditions in drosophila persimilis. ii. factors between larvae and between adults.
8860

POLYPLOIDY
Studies in polyploid varieties of sugar beets. X. Chromosomal variation in progeny of crosses involving diploid, triploid and tetraploid plants.
8931

POLYVINYL ACETATE
Wound dressings for the prevention of silver-leaf in fruittrees caused by Stereum purpureum (Pers.) Fr.
8946

POPILLIA JAPONICA
An artificial diet for the adult Japanese beetle.
8761

Rate of oxygen uptake of healthy and diseased larvae of the Japanese beetle.
8895

POPULATION
Preliminary observations of alpine grasshoppers in a habitat modified by deer and chamois.
8706

Effect of substrate types on aquatic insect distribution.
8707

Variation in behavior among obligate acacia-ants from the same colony (Pseudomyrmex nigrocincta).
8709

The natural control of the apple-grass aphid, Rhopalosiphum insertum, with remarks on the control of apple aphids in the Netherlands in general.
8752

Ecological research in the Lamto Savannah (Ivory Coast): Preliminary data on the populations of terrestrial ants.
8794

Alate aphids trapped over 8 years at two sites in Canterbury, New Zealand.
8798

The incidence of parasitism and disease in some populations of the cabbage aphid,(Brevicoryne brassicae L.) in New Zealand.
8799

Fluctuations in natural populations of Drosophila with special attention to sex ratio.
8804

Mating propensity, chromosomal polymorphism, and dependent conditions in drosophila persimilis. ii. factors between larvae and between adults.
8860

Life history and some factors affecting the population of Arzama densa in Louisiana.
8891

Genetic loads and cold temperature resistance in Drosophila pseudoobscura.
8916

Recessive mutants in a wild Drosophila melanogaster population.
8918

Current status of brown soft scale in citrus groves of the lower Rio Grande Valley.
9009

POPULUS TREMULOIDES
The role of glucose in stimulating germination of Fomes igniarius var. populinus basidiospores.
8971

PORCINE ENTEROVIRUSES
Failure of chicken antisera against porcine enterovirus strain V13 to neutralize at low dilutions.
9070

PORROCAECUM
Possible effects of the harbour seal bounty on codworm infestations of Atlantic cod in the Gulf of St. Lawrence, the Strait of Belle Isle, and the Labrador Sea.
9136

PORTHETRIA
Aerial spray tests against gypsy moth. Porthetria dispar in New York.
9004

POTASSIUM
The influence of nutrition on susceptibility of peach foilage to water congestion and infection by Xanthomonas pruni.
8972

Fight stalk rot with right fertility.
8978

Serum enzyme and serum electrolyte values of lambs fed a magnesium-deficient ration.
9085

POTATOES
Alate aphids trapped over 8 years at two sites in Canterbury, New Zealand.
8798

Comparative production of pheromone by the California red scale reared on lemons and potatoes.
8841

An hypothesis for selection of strains of potato leaf roll virus by passage through Physalis floridana.
8940

Are herbicides doing their job.
9035

Notice of filing of petition regarding pesticide chemicals.
9150

POULTRY
Mycoplasma infections with emphasis on the control of M. gallisepticum.
9061

The trend in the evolution of the poultry vaccines and the channels of administration.
9104

POULTRY DISEASES
On the merit of simple pricking with R2B (Mukteswar strain) for effective vaccination against New Castle (Ranikhet) disease.
9092

Control of chronic respiratory disease by Spiramycin antibiotic therapy.
9103

The trend in the evolution of the poultry vaccines and the channels of administration.
9104

(R2B) the Mukteswar virus vaccine and its characters.
9105

Evaluation of techniques used in studies on efficacy of anticoccidial drugs in chickens.
9106

POULTRY FARM MANAGEMENT
The trend in the evolution of the poultry vaccines and the channels of administration.
9104

POWDERY MILDEW
Effects of the fungus Erysiphe graminis f. sp. hordei Marchal on the transpiration of barley.
8979

PRATYLENCHUS
Eelworms-a progress report on a few more groups found in North-East Indian tea soils.
9025

PRATYLENCHUS NEGLECTUS
Investigations on the migratory root nematode Pratylenchus neglectus on fodder grasses.
9033

PREDACEOUS INSECTS
The hunt of the wasps at Jackson Hole.
8627

Predators pitted against cereal leaf beetle.
8696

The natural control of the apple-grass aphid, Rhopalosiphum insertum, with remarks on the control of apple aphids in the Netherlands in general.
8752

Notes on biology of clerid beetles that attack Ips spp. in upper South Carolina.
8783

On the bionomics of Lyctocoris beneficus (Hiura) and Xylocoris galactinus (Fieber) (Anthocoridae, Heteroptera).
9003

Effect of insecticides on ant and spider populations in Louisiana sugarcane fields.
9015

Comparative toxicites of insecticides to house fly larvae and Macrocheles muscaedomestica, a mite predator of the house fly.
9168

PREEMERGENCE
The effects of combinations of preemergence herbicides and systemic insecticides on cotton stands and yields.
9196

PREGNANCY
Variations in body temperature associated with reproductive state in the female rabbit.
9055

Red blood cell count in relation to reproductive phases in the female rabbit.
9056

Colitis X (exhaustion shock) in a pregnant mare.
9076

Sequence in the abortive and teratogenic effects of locoweed fed to sheep.
9080

PROCAINE PENICILLIN
Cutaneous streptothricosis in a bull.
9113

PRODENIA LITURA
Ascorbic acid and unsaturated fatty acids in the nutrition of the Egyptian cotton leafworm, Prodenia litura.
8795

PROLINE
Effect of DDT on incorporation of C14-labeled glucose into protein and soluble intermediates of nymphal Triatoma infestans.
8743

PROPANIL
Activation and inactivation of herbicides by higher plants.
9235

PROPARGYL 2-BROMODECANOATE
Propargyl 2-bromodecanoate. Patent 3,427,333.
9195

PROPAZINE
Effect of herbicides on the valuations of made tea.
9212

PROPYN-1-OL, 2-
Propargyl 2-bromodecanoate. Patent 3,427,333.
9195

PROSOPIS
Occurrence of plant growth inhibitors in tropical and subtropical vegetation.
9189

PROTEIN SYNTHESIS
Effect of TMV multiplication on RNA and protein synthesis in tobacco chloroplasts.
8956

PROTEINS
Cytochemical studies on a coccidian, Chagasella ganapatii from a termite, Odontotermes obesus (Rambur).
8724

Nerve-blocking effect of Bacillus thuringiensis protein toxin.
8734

Effect of DDT on incorporation of C14-labeled glucose into protein and soluble intermediates of nymphal Triatoma infestans.
8743

Female specific protein: Biosynthesis controlled by corpus allatum in Leucophaea maderae.
8750

Immunofluorescence studies on the multiplication of cytoplasmic-polyhedrosis virus of the silkworm, Bombyx mori.
8781

A red, fluorescent protein from silkworm.
8813

The disassociation and reassociation of the proteins of the RNA in the lucerne mosiac virus.
8968

House fly pupae as food for poultry.
9053

The N-terminal amino acid of an avian leukosis group-specific antigen from avian myeloblastosis virus.
9057

Proteins of vesicular stomatitis virus. I. Polyacrylamide gel analysis of viral antigens.
9083

Structural proteins of vesicular stomatitis viruses.
9123

The utilization of the calcium sensitivity test in the investigation of the rennet activity.
9138

PROTOZOA
Culicidae and Tabanidae as potential vectors of anaplasmosis in Mississippi.
9107

PSEUDOCOCCIDAE
Taxonomy of New Zealand Pseudococcidae, Part I (Homoptera: Coccoidea).
8623

PSEUDOMONAS
The downy mildew and stalk rot diseases of maize.
8987

PSEUDOMONAS AERUGINOSA
Endotoxins from several bacterial species as immunizing agents against Pseudomonas aeruginosa in Galleria mellonella.
8725

PSEUDOMYRMEX
Variation in behavior among obligate aeacia-ants from the same colony (Pseudomyrmex nigrocincta).
8709

PSEUDOTELPHUSA INCANA
Two species of apple-feeding gelechiids new to science (Lepidoptera).
8640

PSILOCYBE AGRARIELLA VACCINII
Control of fairy ring disease of the cultivated cranberry.
9001

PSYLLA PIRI
Winter control of the European red mite, Panonychus ulmi, and certain fruit insects by M-2060 (2-fluoroethyl(4-hiphenylyl)acetate) in Italy.
8691

PTEROMALIDAE
Laboratory rearing of Spalangia nigroaenea (Hymenoptera: Pteromalidae).
8770

PTEROPHORIDAE
Life on the sticky sundew.
8749

PUPAE
Entomophthora aquatica sp. n. infecting larvae and pupae of floodwater mosquitoes.
8695

The lepidopterous stalk borers of rice and their life cycles in the Tropics.
8702

A new record for a parasite of the alfalfa weevil in Eastern United States, Eriplanus micator (Gravenhorst) (Hymenoptera: Ichneumonidae).
8716

Free and peptide-bound amino acids during the larval and pupal stages of the yellow-fever mosquito, Aedes aegypti.
8729

Characters for determining sex of pupae of the oakworms Anisota senatoria, A. stigma, and A. virginiensis, and the yellow-necked caterpillar, Datana ministra.
8748

Differentiation of parasitized and unparasitized pupae of the melon fly and Oriental and Mediterranean fruit flies.
8816

Observations on the immature stages of Cordilura (Achaetella) deceptiva and C. (A.) varipes.
8817

The effects of perfusion on the synthesis and release of blood proteins by diapausing pupae of the Cecropia silkworm.
8828

An inexpensive house fly pupae separator.
8898

House fly pupae as food for poultry.
9053

PUTRESCINE
Glutamic acid requirements of the saw-toothed grain beetle, Oryzaephilus surinamensis (L.) (Coleoptera, Silvanidae).
8741

PYRALIDAE
The lepidopterous stalk borers of rice and their life cycles in the Tropics.
8702

PYRAZON
Evaluation of herbicides applied to the soil for weed control in irrigated sugar beets.
9039

PYRETHRUM
Mixtures of dichlorvos, pyrethrins and dimethrin in aerosols for controlling houseflies.
8708

Studies on chrysanthemic acid. Part XVIII. A new biologically active acid component related to chrysanthemic acid.
8806

Mode of action of natural insectides.
8906

Pyrethin II and related esters obtained by reconstitution.
9192

PYRIDAZINE COMPOUNDS
Herbicidal activity of some pyridazinc derivates. Part III. 3-phenoxypyridazines and related compounds.
9042

Phenoxypyridazines as herbicides. Patent 3,427,146.
9047

PYTHIUM
Chemical control of pea root rot hy soil-incorporation and in-furrow treatments with 1-chloro-2-nitropropane.
8954

Role of Pythium in damping-off of peach.
8975

PYTHIUM BUTLERI
The downy mildew and stalk rot diseases of maize.
8987

QUATERNARY AMMONIUM COMPOUNDS
Studies on the mode of action of inorganic nitrogenous amendments on Sclerotium rolfsii in soil.
8936

QUEDIUS
Contribution to the knowledge of the Staphylinidae. CIII. The Quedius oblitteratus Er.--nemoralis Baudi complex.
8631

Taxonomic remarks about Staphylinidae.
8644

QUEEN ANT
The part queens play in the making and advent of gynes in the colonies of the ant Dolichoderus quadripunetatus.
8885

QUERCUS
The genus Craterocercus Rohwer (Hymenoptera: Tenthredinidae).
8673

RABBITS
Variations in body temperature associated with reproductive state in the female rabbit.
9055

Red blood cell count in relation to reproductive phases in the female rabbit.
9056

Hematopoiesis and epiphyseal growth zones in rabbits with molyhdenosis.
9183

RABIES VIRUS
Interference between vaccinal virus and rabies virus.
9122

RADIATION
Stimulation of porcine splenic cultures by a radiationinduced lymphoid leukemia filtrate: a preliminary report.
9078

RADIOACTIVE ISOTOPES
Integumental absorption versus oral ingestion of phosphate and other materials by common cattle grubs held in vitro.
8726

RADIOACTIVE TRACERS
Effect of DDT on incorporation of C14-labeled glucose into protein and soluble intermediates of nymphal Triatoma infestans.
8743

Hydrocarbon metabolism in insects: Oxidation of hexadecane-1-C14 in the boll weevil and the house fly.
8777

Utilization of tricarboxylic acid cycle intermediates by Haemonchus contortus larvae.
9133

Radiotracer studies on metabolism, degradation, and mode of action of inseeticide chemicals.
9169

The metabolism of Bayer 9017 in calves.
9184

The metabolism of carbon-14 specifically labelled glucose in leaves showing tobacco mosaic virus induced local necrotic lesions.
9205

Experimental approaches to pestieide photodecomposition.
9221

RADIOACTIVITY
On the primary stages of orthophosphate absorbtion by mycelium of Penicillium chrysogenum.
9202

RADOPHOLUS SIMILIS
Banana diseases in the Pacific area.
8924

RAINFALL
The relation of climatic factors to the duration of the development of Heterodera schachtii in Slovakia (CSSR).
9028

RAPE
Toxicity of tall fescue to rape and birdfoot trefoil seeds and seedlings.
9210

RASPBERRIES
The oecurrence and some properties of black raspberry latent virus.
8941

RATS
Thin-layer chromatography of rat bile and urine following intravenous administration of pesticidal synergists.
9171

Acute cutaneous toxicity of certain organophosphorous insectieides. I. Lebaycid.
9172

Studies of warfarin resistance in the rat. (Abstract).
9179

REDPEPPERS (VEGETABLE)
Characterization of a strain of Xanthomonas vesicatoria (Doidge) isolated from a commercial field of greenpepper (Capsicum annuum L.) in Campinas, Sao Paulo.
8950

REDUVIIDAE
Breath lures bloodsucking bugs.
8920

REPRODUCTION
Female specific protein: Biosynthesis controlled by corpus allatum in Leucophaea maderae.
8750

Effect of biotin on the fertility of the yellow fever mosquito, Aedes aegypti (L.).
8833

Factors affecting the sex ratio of Aphytis proclia Wlk. (Hymenoptera, Aphelinidae), external parasite on the San Jose scale.
8873

Nutritional requirements for reproduction of a temperature sensitive nematode, reared in axenie culture.
9030

Variations in body temperature associated with reproductive state in the female rabbit.
9055

Red blood cell count in relation to reproductive phases in the female rabbit.
9056

Relationship of viruses to reproductive problems.
9094

DDT residues and declining reproduction in Bermuda petrel.
9166

REPRODUCTIVE ORGANS
Observations on the genital structures in several genera of Bruchidae (Coleoptera).
8681

A natural hybrid butterfly of the genus Vanessa in New Zealand.
8825

RESEARCH
Superflies beat dichlorodiphenyltrichlorocthane. 8697

Cytochemical studies on a coccidian, Chagasella ganapatii from a termite, Odontotermes obesus (Rambur). 8724

Meadow vole used in hay research. 9052

RESPIRATION
Respiration of blastospores of the fungus Beauveria bassiana during submersed cultivation in the presence of certain sugars. 8846

RESPIRATORY DISEASES
Mycoplasma infections with emphasis on the control of M. gallisepticum. 9061

Cytology of equine nasal secretions. 9093

Control of chronic respiratory disease by Spiramycin antibiotic therapy. 9103

(R2B) the Mukteswar virus vaccine and its characters. 9105

Tylan very effective in treating pigeons. 9173

RESPIRATORY SYSTEM
Respiratory exposure of dairy animals to pesticides. 9165

REVIEWS
Mimicry: The deceptive way of life. 8843

On the bionomics of Lyctocoris beneficus (Hiura) and Xylocoris galactinus (Fieber) (Anthocoridae, Heteroptera). 9003

RHAGIO SCOLOPACEUS
First record of Rhagio scolopaceus (Linne) in North America (Diptera: Rhagionidae). 8682

RHAGOLETIS POMONELLA
Observations on bird tanglefoot traps as a direct method of apple maggot control. 9014

RHAGOLETIS SUAVIS
Infestation of peaches by Rhagoletis suavis. 9006

RHINOTERMITIDAE
A new Coptotermes (Isoptera, Rhinotermitidae) from Gabon. 8636

RHIPICEPHALUS BURSA
The fine structure of Babesia ovis (Piroplasmidea) in Rhipicephalus bursa (Ixodoidea): Transformation of spherical forms to vermicules. 8754

RHIZOBIUM
Sensitivity of Rhizobium species to certain fungicides. 8933

RHIZOCTONIA SOLANI
Temperature response of seeds during the early phases of germination and its relation to injury by Rhizoctonia solani. 8983

RHIZOGLYPHUS ECHINOPUS
Control of mites and aphids on and in bulbs. 8850

RHOPALICUS GUTTATUS
The infestation of timber by bark beetles (Col., Scolytidae) and their enemies in different zones of the Finnish southwestern archipelago. 8823

RHOPALOSIPHUM INSERTUM
The natural control of the apple-grass aphid, Rhopalosiphum insertum, with remarks on the control of apple aphids in the Netherlands in general. 8752

RHYNCHOSCIARA
Nucleic acid synthesis in nurse cells of Rhynchosciara angelae Nonato and Pavan, 1951. 8705

RIBONUCLEIC ACID
Nucleic acid in intact nuclear polyhedral bodies isolated from virus-infected fall armyworm, Spodoptera frugiperda. 8745

The development of resistance in Cladosporium cucumerinum against 6-azauracil, a chemotherapeutant of cucumber scab, and its relation to biosynthesis of RNA-PRECURSORS. 8944

Effect of TMV multiplication on RNA and protein synthesis in tobacco chloroplasts. 8956

The disassociation and reassociation of the proteins of the RNA in the lucerne mosiac virus. 8968

Partial reconstitution of tobacco mosaic virus. 8993

Virus-like particles in galls on sugarcane plants affected by Fiji disease. 8994

Ribonucleic acid synthesis in chick embryo cells infected with fowl-plague virus. 9114

Role of RNA metabolism in the action of auxin-herbicides. 9194

Yeast sporulation and RNA as affected by gibberellic acid. 9198

RIBOSOMES
Effect of TMV multiplication on RNA and protein synthesis in tobacco chloroplasts. 8956

RICE
The lepidopterous stalk borers of rice and their life cycles in the Tropics. 8702

A red, fluorescent protein from silkworm. 8813

Isolation of fumaric acid from silkworm pupas as a causative agent to release reducing sugars in embryoless rice endosperms. 8878

Mode of action of insecticides on the rice stem borer and development of resistance. 8884

Character expressions and casual genes of some mutants in rice plant. Genetical studies on rice plant, XXXIII. 8930

Pentachlorobenzyl alcohol, a rice blast control agent. 8960

Fungicidal action of organophosphorus compounds. 8963

Insect parasites in the natural control of species of rice stem borers on Luzon Island, Philippines. 9012

Herbicidal activity of some pyridazine derivates. Part III. 3-phenoxypyridazines and related compounds. 9042

RICKETTSIA
The presence of diaminopimelic acid in the Rickettsiae. 9097

RIFT VALLEY FEVER VIRUS
Growth of Rift Valley fever virus in human diploid (WI-38) cells. 9082

RING SPOT
Problems of the month. 8932

RINGWORM
Equine ringworm caused by Trichophyton tonsurans var sulfureum. 9087

RIODINIDAE
Two new species of Audre (Lep. Rhop. Riodinidae). 8637

RODENTICIDES
Studies of warfarin resistance in the rat. (Abstract). 9179

Determination of zinc phosphide and its stability in rodent baits. 9228

RODENTS
Meadow vole used in hay research. 9052

Infection experiments with the cotton rat filaria Litomosoides carinii in Mastomys natalensis (Smith, 1834). 9127

Comparison of white gasoline and n-heptane for recovery of insect fragments and rodent hairs from food products. 9142

Do anticoagulant concentrates contain excessive amounts of inert ingredients. 9234

RONNEL
Comparative toxicites of insecticides to house fly larvae and Macrocheles muscaedomestica, a mite predator of the house fly. 9168

ROOT ROT
Chemical control of pea root rot by soil-incorporation and in-furrow treatments with 1-chloro-2-nitropropane. 8954

ROOTS
Occurrence of virus particles in the phloem tissue of BYDV-infected barley. 8962

Control of fairy ring disease of the cultivated cranberry. 9001

Experiments on the control of root pests of Brassicae. 9021

ROT
Fungi causing seedling blight of corn in the United Arab Republic. 8977

Experiments on the control of Gloeosporium fruit rots by field sprays. With an Addendum on: Harvest residues of dichlofluanid. 9140

ROTENONE
Mode of action of natural insectides. 8906

RUBIDIUM
Rubidium sulfate flame detector: Effect of design of alkali source and anode on sensitivity and stability. 9222

RUMEN
Effect of food intake on growth and survival of salmonellas and Escherichia coli in the bovine rumen. 9064

SACCHAROMYCES
Yeast sporulation and RNA as affected by gibberellic acid. 9198

SALIVARY GLANDS (INSECTS)
The salivary gland chromosomes of Anopheles pulcherrimus Theobald. 8909

Studies on cytology and differentiation in Sciaridae. II. DNA redundancy in salivary gland cells of Hybosciara fragilis (Diptera, Sciaridae). 8911

SALMONELLA
Effect of food intake on growth and survival of salmonellas and Escherichia coli in the bovine rumen. 9064

A common source epizootic of bovine salmonellosis in Manitoba.
9120

SALMONELLOSIS
A common source epizootic of bovine salmonellosis in Manitoba.
9120

SAMIA CYNTHIA
Comparative toxicites of crystal serotypes of Bacillus thuringiensis for larvae of Philosamia cynthia var. ricini.
8830

Ecological significance of antibiotics of some varieties of Bacillus thuringiensis.
8831

SANITATION
Mycoplasma infections with emphasis on the control of M. gallisepticum.
9061

SANNINOIDEA EXITIOSA
A method of rearing the peach tree borer on artificial diet.
8858

SANTALUM ALBUM
The occurrence of inclusion bodies in leaf epidermis cells of sandal affected with spike disease.
8945

SARCOMA
Multiple antigenic components of the group-specific antigen of the avian leukosis-sarcoma viruses.
9109

SARCOPHAGA BULLATA
Bursicon mediation of tyrosine hydroxylation during tanning of the adult cuticle of the fly, Sarcophaga bullata.
8853

SATYRIDAE
Four new satyrids from Ecuador.
8639

SCAB
The development of resistance in Cladosporium cucumerinum against 6-azauracil, a chemotherapeutant of cucumber scab, and its relation to biosynthesis of RNA-PRECURSORS.
8944

SCARABAEIDAE
Morphology and development of an occuluded virus from the black-soil scarab, Othnonius batesi.
8760

Field notes on a feeding swarm of Cheiroplatys clunalis.
8908

SCELIONIDAE
Palearctic species of egg parasites of the genus Telenomus haliday (Hymenoptera, Scelionidae, Telenominae).
8645

Factors influencing egg survival of Scolypopa australis Walker (Hemiptera-Homoptera: Ricaniidae) in the Sydney area (N. S. W. Australia).
9005

SCENT GLANDS
Trails of the leafcutters.
8812

SCHISTOCERCA GREGARIA
Alkaline phosphatase in the digestive system of the desert locust, Schistocerca gregaria (Forskal).
8699

Control of haemolymph lipid concentration during locust flight: An adipokinetic hormone from the corpora cardiaca.
8808

SCHRADAN
Pesticide residues in foods in relation to human health.
9170

SCIARIDAE
Studies on cytology and differentiation in Sciaridae. II. DNA redundancy in salivary gland cells of Hyhosciara fragilis (Diptera, Sciaridae).
8911

SCLEROPHTHORA
The downy mildew and stalk rot diseases of maize.
8987

SCLEROSPORA
The downy mildew and stalk rot diseases of maize.
8987

SCLEROTIUM ROLFSII
Studies on the mode of action of inorganic nitrogenous amendments on Sclerotium rolfsii in soil.
8936

A phosphatidase produced hy Sclerotium rolfsii.
8995

SCOLYPOPA AUSTRALIS
Factors influencing egg survival of Scolypopa australis Walker (Hemiptera-Homoptera: Ricaniidae) in the Sydney area (N. S. W. Australia).
9005

SCOLYTIDAE
Crypturgus hispidulus also in Baden (Col., Scolytidae) (Contribution to the southwestern German coleoptern fauna).
8620

Experiments with Beauveria bassiana (Bals) Vuill. against Blastophagus piniperda L. (Col., Scolytidae).
8822

The infestation of timber hy bark beetles (Col., Scolytidae) and their enemies in different zones of the Finnish southwestern archipelago.
8823

SCOLYTUS
An evaluation of certain compounds as feeding deterrents against the smaller European elm bark beetle, Scolytus multistriatus.
9182

SCOLYTUS MULTISTRIATUS
An evaluation of certain compounds as feeding deterrents against the smaller European elm bark beetle, Scolytus multistriatus.
9182

SD-4402
Control of the lesser cornstalk horer attacking peanuts.
9008

SEALS (ANIMALS)
Possible effects of the harbour seal bounty on codworm infestations of Atlantic cod in the Gulf of St. Lawrence, the Strait of Belle Isle, and the Labrador Sea.
9136

SEASONAL VARIATION
Preliminary observations of alpine grasshoppers in a habitat modified hy deer and chamois.
8706

SEASONS
Seasonal history and response to insecticides of Heliothis species on cotton.
9032

SECRETION
Transmission of strawberry mottle virus by juice and aphids to herbaceous hosts.
9007

SEDIMENTATION
Reversible dissociation of cucumber mosaic virus (strain S).
8964

SEED ANALYSIS
Etiella zinckenella Treit-a pod borer pest of Crotalaria anagyroides H.B.K.
8778

SEED GERMINATION
The role of glucose in stimulating germination of Fomes igniarius var. populinus hasidiospores.
8971

Predicting maize seed viability using 2,3,5-triphenyltetrazolium chloride.
9185

Toxicity of tall fescue to rape and birdfoot trefoil seeds and seedlings.
9210

SEED TREATMENT
Factors affecting severity of seedling blight of corn in the United Arab Republic.
8976

SEEDLINGS
Mortality, longevity, and fecundity of spider mites on cotton treated with systemic acaricides.
8692

Studies in polyploid varieties of sugar beets. X. Chromosomal variation in progeny of crosses involving diploid, triploid and tetraploid plants.
8931

Factors involved in the development of peach seedling cankers induced by chilling.
8943

Role of Pythium in damping-off of peach.
8975

Factors affecting severity of seedling blight of corn in the United Arab Republic.
8976

Fungi causing seedling blight of corn in the United Arab Republic.
8977

Caloneetria floridana sp. nov., the perfect stage of Cylindrocladium floridanum.
8990

Effect of sucrose and indole-3-acetic acid on extension growth of wheat coleoptile segments.
9207

Toxicity of tall fescue to rape and birdfoot trefoil seeds and seedlings.
9210

2,3,6-trichlorobenzoic and 2,6-dichlorobenzoic acid interference with phototropic and geotropic responses of seedlings.
9213

SEEDS
Fungi causing seedling blight of corn in the United Arab Republic.
8977

Predicting maize seed viability using 2,3,5-triphenyltetrazolium chloride.
9185

The metabolism of radiostrontium by plants. (Abstract).
9191

Toxicity of tall fescue to rape and birdfoot trefoil seeds and seedlings.
9210

SENSE ORGANS
Sense organs on the antennal flagellum of a giant cockroach, Gromphadorhina portentosa, and a comparison with those of several other species (Dictyoptera, Blattaria).
8856

SEROLOGICAL TESTS
Behavior of belladonna mottle virus in serological tests in the presence of organic mercury compounds.
8966

Morphology, physiology, and serology of a Pasteurella species pathogenic for white perch (Roccus americanus).
9081

Aleutian disease of mink: Infectious virus-antibody complexes in the serum.
9099

Control of chronic respiratory disease by Spiramycin antibiotic therapy.
9103

Serological investigation into porcine Brucellosis.
9116

Bushbush, Ieri, and Lukuni viruses, three unrelated new agents isolated from Trinidadian forest mosquitoes.
9117

SERRODES
Some observations on the morphology and histology of the alimentary canal of the fruit-sucking moth Serrodes inara Cram. (Lepidoptera: Noctuidae).
8791

SERUM
Mycotoxicosis associated with hemorrhagic enterocolitis and abortion in swine.
9062

Control of equine piroplasmosis in Florida.
9065

Serum enzyme and serum electrolyte values of lambs fed a magnesium-deficient ration.
9085

Neutralization of canine herpesvirus by dog and human serums: a survey.
9091

SESAMIA NONAGRIOIDES
A contribution to the study of the Greek species injurious to corn, of the genus Sesamia (Lepidoptera-Noctuidae).
8865

SESBANIA EXALTATA
Similarity between phytokinins and herbicidal phenylurethanes.
9043

SEX
Sexual difference in the activity of pars intercerebralis-corpus cardiacum-corpus allatum system of Bombyx mori.
8755

Sexual characters of the instars of Blaberus discoidalis and an analysis of growth in this cockroach.
8802

Fluctuations in natural populations of Drosophila with special attention to sex ratio.
8804

The influence of infections of nuclear-polyhedrosis virus on adult cabbage loopers and their progeny.
8889

Field identification and sex determination of Aphidecta obliterata, an introduced predator of Adelges piceae.
8903

A temperature effect on nondisjunction of the X chromosomes among eggs from aged Drosophila females.
8912

Sex chromosomes and sex determining mechanisms in Odonata, with a review of the cytological conditions in the family Gomphidae, and references to the karyotypic evolution in the order.
8913

SEX BEHAVIOR
A Light mill for studies with the Mexican fruit fly.
8727

Biology of Melichares tarsalis in association with Plodia interpunctella.
8738

Bioassay, preliminary purification, and effect of age, crowding, and mating on the release of sex pheromone by female Tenebrio molitor.
8765

Comparative production of pheromone by the California red scale reared on lemons and potatoes.
8841

Effect of male accessory material on oviposition and mating by female house flies.
8842

Seasonal history of a unisexual population of the pine needle scale, Phenacaspis pinifoliae.
8870

Monitoring for audible and ultrasonic sound production by stored-product insects during mating.
8904

SEX DETERMINATION
Factors affecting the sex ratio of Aphytis proclia Wlk. (Hymenoptera, Aphelinidae), external parasite on the San Jose scale.
8873

SEX RATIOS
Factors affecting the sex ratio of Aphytis proclia Wlk. (Hymenoptera, Aphelinidae), external parasite on the San Jose scale.
8873

SHEEP
Sequence in the abortive and teratogenic effects of locoweed fed to sheep.
9080

Synergism in the chemotherapy of Fascioliasis.
9084

Polioencephalomalacia (cerebrocortical necrosis).
9090

Survey observations on ovine mastitis in New Zealand stud Romney flocks. 2. The bacteriology of ovine mastitis.
9100

Survey observations on ovine mastitis in New Zealand stud Romney flocks. 1. The incidence of ovine mastitis.
9101

Notice of filing of petition regarding pesticide chemicals.
9151

SHOCK
Colitis X (exhaustion shock) in a pregnant mare.
9076

SHRIMPS
The occurrence of Piptocephalis in soils and its isolation.
8929

SIGATOKA LEAF-SPOT DISEASE
Banana diseases in the Pacific area.
8924

SILAGE
The inhibition of Listeria monocytogenes by an organism, resembling Bacillus mycoides, present in normal silage.
9079

Balance cows' minerals to defeat milk fever.
9089

SILVER LEAF
Wound dressings for the prevention of silver-leaf in fruittrees caused by Stereum purpureum (Pers.) Fr.
8946

SILVEX
Note on the determination of some chlorophenoxy herbicides and their esters in water.
9143

SIMAZINE
Chemical weed control in cotton: I. Growth and yield response of cotton plants to some herbicides.
9045

Effects of five herbicides on three green algae.
9048

Effect of simazine on photosynthetic pigments of green algae.
9209

SIMIAN ADENOVIRUSES
Lack of multiplication of simian virus 40 (SV40) in experimentally infected mosquitoes.
8854

SIMULIIDAE
Nematodes of the family Tetradonematidae, parasitizing in members of the family Simuliidae (Diptera).
8844

Iridescent virus from blackfly Simulium ornatum Meigen in Czechoslovakia.
8896

SIMULIUM DAMNOSUM
The Simulium control scheme at Abuja, Northern Nigeria, and its effect on the prevalence of onchocerciasis in the area.
8919

SINUSITIS
Mycoplasma infections with emphasis on the control of M. gallisepticum.
9061

SKELETON
The occurrence of Piptocephalis in soils and its isolation.
8929

SKIN DISEASES
Equine ringworm caused by Trichophyton tonsurans var sulfureum.
9087

SMUT
Irrigated sugar-cane in Rhodesia.
8925

New or uncommon plant diseases and pests; smut (Entyloma compositarum) of Gaillardia aristata Pursh.
8985

SNAKE VENOM
Pharmacologic action of pure venom fractions of Naja nigricollis and liberation of calcium in the striated muscles.
9181

SOCIAL INSECTS
The part queens play in the making and advent of gynes in the colonies of the ant Dolichoderus quadripunctatus.
8885

SODIUM CHLORIDE
Electrophysiological study of contact chemoreceptors in bloodsucking Diptera.
8907

SODIUM ETHYLMERCURITHIOSALICYLATE
Control of thar (Hemitragus jemlahicus): Evaluation of a poisoning technique.
9051

SODIUM IODIDE
Actinohacillus lignieresii infection in a dog.
9067

SODIUM N-METHYLDITHIOCARBAMATE
Investigations on the migratory root nematode Pratylenchus neglectus on fodder grasses.
9033

SODIUM NITRATE
Studies on the mode of action of inorganic nitrogenous amendments on Sclerotium rolfsii in soil.
8936

SODIUM PHOSPHATE
Balance cows' minerals to defeat milk fever.
9089

SOIL CONSERVATION
Utility of arecanut husk in horticulture. .
8927

SOIL CONTAMINATION
The optinum size for insecticide spray droplets.
9231

SOIL FUMIGATION
Chemical control of pea root rot by soil-incorporation and in-furrow treatments with 1-chloro-2-nitropropane.
8954

The effect of soil fumigation on the growth of sugar beet.
9193

SOIL FUNGI
The occurrence of Piptocephalis in soils and its isolation.
8929

SOIL MICROORGANISMS
A technique for studying inhibition of the parasitic activity of Ophiobolus graminis (Sacc.) Sacc. in field soils.
8969

Agricultural microbiology.
8980

Eelworms-a progress report on a few more groups found in North-East Indian tea soils.
9025

SOIL MOISTURE
Soil water measured.
8923

SOIL SANITATION
Mortality of the earthworm Lumbricus terrestris L. following soil applications of insecticides to a tobacco field.
9175

SOIL SERIES
Effect of substrate types on aquatic insect distribution.
8707

SOIL TEMPERATURE
The relation of climatic factors to the duration of the development of Heterodera schachtii in Slovakia (CSSR).
9028

SOIL-PLANT-ANIMAL RELATIONS
Dispersion of released white-pine weevils in intrastand growth types.
8766

SOILS
Irrigated sugar-cane in Rhodesia.
8925

Studies on the mode of action of inorganic nitrogenous amendments on Sclerotium rolfsii in soil.
8936

Effects of sloping land drainage on alfalfa crown rot.
8949

A technique for studying inhibition of the parasitic activity of Ophioholus graminis (Saec.) Saec. in field soils.
8969

Evaluation of herbicides applied to the soil for weed control in irrigated sugar beets.
9039

Weed control in cotton.
9046

SOLENOPSIS SAEVISSIMA RICHTERI
Effect of insecticides on ant and spider populations in Louisiana sugarcane fields.
9015

SONCHUS
Additional evidence of multiplication of the sowthistle yellow vein virus in an aphid vector-serial passage.
9024

SORGHUM
Pattern of cell death in sorghum stalk tissue as a measure of the susceptibility to spread of Colletotrichum graminicola in fifty-five sorghum varieties.
8965

Occurrence of plant growth inhibitors in tropical and subtropical vegetation.
9189

The metabolism of radiostrontium by plants. (Abstract).
9191

SOUND WAVES
Monitoring for audible and ultrasonic sound production by stored-product insects during mating.
8904

SOUTH AMERICAN TRYPANOSOMIASIS
Breath lures bloodsucking bugs.
8920

SOYBEANS
Purification of soybean mosaic virus.
8958

Sporulation of Cephalosporium gregatum on naturally infested soybean straw.
8967

SPARROWS
House sparrows and a field infestation of tobacco hornworm larvae.
9023

SPECTROPHOTOMETRY
Residue analysis in the dairy industry. in Zwig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. 1. principles, methods, and general application.
9157

It's tough to pinpoint residue content.
9242

SPECTROSCOPY
Two juvenile hormones in Cecropia silk moth.
8810

Lipid metabolism in the fruit of Persea americana Mill. I. Studies on the chemical composition of lipids and their changes during fruit development and storage.
9201

IUPAC commission on the development, improvement, and standardization of methods of pesticide residue analysis.
9224

SPERMATOCYTES
An electron microscope study of nebenkern formation and differentiation in spermatids of Murgantia histrionica (Hemiptera, Pentatomidae).
8837

SPERMATOGENESIS
An electron microscope study of nebenkern formation and differentiation in spermatids of Murgantia histrionica (Hemiptera, Pentatomidae).
8837

Spermiogenesis without chromosomes in Drosophila melanogaster.
8915

Experimental studies on spermiogenesis in Drosophila.
8917

SPERMATOZOA
Chemosterilant studies on Bracon sperm. II. Studies of selected compounds for induction of dominant lethal mutations or sperm inactivation.
8914

SPHECIDAE
New South American genera and species of the tribe Bothynostethini (Hymenoptera; Sphecidae; Larrinae).
8652

SPIDERS
Effect of insecticides on ant and spider populations in Louisiana sugarcane fields.
9015

SPIKE DISEASE
The occurrence of inclusion bodies in leaf epidermis cells of sandal affected with spike disease.
8945

SPIRAMYCIN
Control of chronic respiratory disease by Spiramycin antibiotic therapy.
9103

SPLEEN
Stimulation of porcine splenic cultures by a radiationinduced lymphoid leukemia filtrate: a preliminary report.
9078

SPODOPTERA EXIGUA
Cytopathology of a nucleopolyhedrosis of the beet armyworm, Spodoptera exigua.
8773

Pathogenicity of a nuclear-polyhedrosis virus of the beet armyworm, Spodoptera exigua.
8774

SPODOPTERA FRUGIPERDA
Nucleic acid in intact nuclear polyhedral bodies isolated from virus-infected fall armyworm, Spodoptera frugiperda.
8745

SPORES
Some effects of sublethal heat on spores of Nosema apis.
8890

The surface localization of polygalacturonase in spores of Geotrichum candidum.
8937

The role of glucose in stimulating germination of Fomes igniarius var. populinus basidiospores.
8971

The fine structure of Nosema sp. Sprague, 1965 (Microsporida, Nosematidae) with particular reference to stages in sporogony.
9118

SPORULATION
Yeast sporulation and RNA as affected by gibberellic acid.
9198

SPRAYING
An appraisal of high, medium and low volume methods of spray application.
8722

Trithion-a new acaricide.
8814

Experiments with Beauveria bassiana (Bals) Vuill. against Blastophagus piniperda L. (Col., Scolytidae).
8822

Sugar-cane moth borers in the Caribbean.
8974

Chemical control of the juniper webworm on Irish juniper.
9016

Aerial spraying of forests: Notes for landowners.
9034

Studies on effects of forest sprayings with insecticides, 1952-63, on fish and aquatic invertebrates in New Brunswick streams: Introduction and summary.
9144

Some features of the physiology of dormancy in black currant plants in connection with the effect of gibberellin.
9199

The fluorescent particle spray droplet tracer method.
9230

The optimum size for insecticide spray droplets.
9231

SPRAYING EQUIPMENT
Creeping Charlie uses aqualin to kill aquatic weeds.
9186

SPY 227
Transmission of apple viruses by leaf tissue implantation.
8992

STAINING
A differential staining technique for a mosquito iridescent virus.
8807

STALK ROT
Pattern of cell death in sorghum stalk tissue as a measure of the susceptibility to spread of Colletotrichum graminicola in fifty-five sorghum varieties.
8965

STALK ROT (CORN)
Fight stalk rot with right fertility.
8978

The downy mildew and stalk rot diseases of maize.
8987

STAPHYLINIDAE
Contribution to the knowledge of the Staphylinidae. CIII. The Quedius oblitteratus Er.--nemoralis Baudi complex.
8631

Taxonomic remarks about Staphylinidae.
8644

Philonthus parcus Sharp (Coleoptera: Staphylinidae), a Japanese rove beetle established in Australian caves.
8654

A new Stenus from southern China: Stenus (Hypostenus) shaowuensis n. sp., including synonymy notes on other species (Coleoptera, Staphylinidae). 42. Contribution to the knowledge of the Steninae.
8661

STARCHES
Some features of the physiology of dormancy in black currant plants in connection with the effect of gibberellin.
9199

STARVATION
Humidity preference of the alfalfa weevil, Hypera postica, as affected by microenvironmental and physiological conditions.
8863

STATISTICAL ANALYSIS
Fluctuations in natural populations of Drosophila with special attention to sex ratio.
8804

Effect of herbicides on the valuations of made tea.
9212

STATISTICAL DISTRIBUTIONS
Alatc aphids trapped over 8 years at two sites in Canterbury, New Zealand.
8798

STATISTICS
Concerning the validity of the capture results of insect traps, together with an attitude toward the work of H. Peters, Heidelberg, on synanthropic flies.
8784

STEM ROT
Studies on the mode of action of inorganic nitrogenous amendments on Selerotium rolfsii in soil.
8936

STENINAE
A new Stenus from southern China: Stenus (Hypostenus) shaowuensis n. sp., including synonymy notes on other species (Coleoptera, Staphylinidae). 42. Contribution to the knowledge of the Steninae.
8661

STENUS
A new Stenus from southern China: Stenus (Hypostenus) shaowuensis n. sp., including synonymy notes on other species (Coleoptera, Staphylinidae). 42. Contribution to the knowledge of the Steninae.
8661

STENUS SHAOWUENSIS
A new Stenus from southern China: Stenus (Hypostenus) shaowuensis n. sp., including synonymy notes on other species (Coleoptera, Staphylinidae). 42. Contribution to the knowledge of the Steninae.
8661

STEREUM PURPUREUM
Wound dressings for the prevention of silver-leaf in fruittrees caused by Stereum purpureum (Pers.) Fr.
8946

STERILITY
Screwworm fly upsurge.
8698

STIGMELLA MALELLA
The development and larval behavior of Stigmella malella Stainton. (Lep. Stigmellidae).
8728

STIGMELLIDAE
The development and larval behavior of Stigmella malella Stainton. (Lep. Stigmellidae).
8728

STIMULANTS
Asynchronous ovarian development in the housefly, Musca domestica L. (diptera: Muscidae), caused by dietary gamma-aminobutyric acid (GABA).
8714

The role of gamma-aminobutyric acid in mosquito-host interactions: A hypothesis.
8779

STIMULI
Feeding responses by Hylurgopinus rufipes to combined chemical and physical stimuli.
8715

Electrophysiological study of contact chemoreceptors in bloodsucking Diptera.
8907

STOMOXYS CALCITRANS
Electrophysiological study of contact chemoreceptors in bloodsucking Diptera.
8907

Further evaluation of animal systemic insecticides, 1968.
9126

STORAGE
Control of gladiolus corm diseases in field and storage.
8934

Effect of storage treatments and fungicides on sprouting, flowering and gladiolus corm production.
8947

STORAGE DISEASES
Experiments on the control of Glocosporium fruit rots by field sprays. With an Addendum on: Harvest residues of dichlofluanid.
9140

Giving crops field-to-table protection.
9248

STORED PRODUCTS
Monitoring for audible and ultrasonic sound production by stored-product insects during mating.
8904

STRATIOMYIDAE
A new stratiomyid pest of sugar cane in Australia (Diptera: Stratiomyidae).
8641

STRAWBERRIES
A fruit rot of strawberries caused by Zythia fragariae.
8986

Transmission of strawberry mottle virus by juice and aphids to herbaceous hosts.
9007

Corn earworm infestation in ripe strawberries.
9017

STREAK
Distribution of wheat streak mosaic virus-like particles in Aceria tulipae.
8876

STREAMS
Effect of substrate types on aquatic insect distribution.
8707

The Simulium control scheme at Abuja, Northern Nigeria, and its effect on the prevalence of onchocerciasis in the area.
8919

Studies on effects of forest sprayings with insecticides, 1952-63, on fish and aquatic invertebrates in New Brunswick streams: Introduction and summary.
9144

STREPTOCOCCUS
Survey observations on ovine mastitis in New Zealand stud Romney flocks. 2. The bacteriology of ovine mastitis.
9100

STREPTOTRICHOSIS
Cutaneous streptothricosis in a bull.
9113

STRIDULATION
Systematics and acoustic behavior of United States crickets of the genus Orocharis (Orthoptera: Gryllidae).
8686

Stridulatory files as diffraction gratings in mutillid wasps.
8769

STRIPE SMUT (POA PRATENSIS)
Infection of Merion bluegrass, Poa pratensis, by stripe smut, Ustilago striiformis.
8957

STRONTIUM
Stimulation of porcine splenic cultures by a radiationinduced lymphoid leukemia filtrate: a preliminary report.
9078

STRONTIUM ISOTOPES
The metabolism of radiostrontium by plants. (Abstract).
9191

STUNT
Corn stunt vector leafhopper attractancy to and oviposition preference for hybrid dent corn. I. Dalbulus maidis.
8732

STURNIDOECUS PHILIPPENSIS
Mallophaga from birds of the Oriental Region. Part IX. Sturnidoecus philippensis, n. sp. (Ischnocera: Philopteridae).
8680

SUCCINIC ACID, 2,2-DIMETHYLHYDRAZIDE
Chemical growth retardants for bedding plants.
9203

SUCROSE
Effect of sucrose and indole-3-acetic acid on extension growth of wheat coleoptile segments.
9207

SUGAR
Some features of the physiology of dormancy in black currant plants in connection with the effect of gibberellin.
9199

SUGAR BEETS
Studies in polyploid varieties of sugar beets. X. Chromosomal variation in progeny of crosses involving diploid, triploid and tetraploid plants.
8931

The therapeutic effect of Thiabendazole, 2-(4-thiazolyl) benzimidazole, against Cercospora leaf spot on sugar beets when applied as a soil drench.
8991

On the knowledge of the seasonal dynamics of heteroderosis in sugar beets in East-Slovakia (CSSR).
9027

Evaluation of herbicides applied to the soil for weed control in irrigated sugar beets.
9039

The effect of soil fumigation on the growth of sugar beet.
9193

SUGARCANE
A new stratiomyid pest of sugar cane in Australia (Diptera: Stratiomyidae).
8641

Irrigated sugar-cane in Rhodesia.
8925

Sugar-cane moth borers in the Caribbean.
8974

Virus-like particles in galls on sugarcane plants affected by Fiji disease.
8994

Effect of insecticides on ant and spider populations in Louisiana sugarcane fields.
9015

SUGARS
Respiration of blastospores of the fungus Beauveria bassiana during submersed cultivation in the presence of certain sugars.
8846

SULFAMETHAZINE
How beneficial are feed additives.
9059

SULFATES
Rubidium sulfate flame detector: Effect of design of alkali source and anode on sensitivity and stability.
9222

SULFUR
X-ray diffraction and infrared study of the sulphur granules of Actinomyces bovis.
9073

Microcoulometric gas chromatography: Improvements in instrumentation.
9227

SULFUR COMPOUNDS
Residue analysis in the dairy industry. in Zwig, Analytical methods for pesticides, plant growth regulators, and food additives. vol. 1. principles, methods, and general application.
9157

SULFUR ISOTOPES
The metabolism of Bayer 9017 in calves.
9184

SULFURIC ACID
Studies on the effect of sulfuric-fuming nitric acid treatment on the analytical characteristics of toxaphene.
9153

SURVEYS
The hunt of the wasps at Jackson Hole.
8627

Studies of the Mexican Deltocephalinae II. Seven new species of Norvellina (Homoptera: Cicadellidae).
8646

New Exoprosopinae from Mexico and Central America (Diptera: Bombyliidae).
8655

The Tettigoniidae (Orthoptera) of Oklahoma.
8660

The aquatic and semiaquatic Hemiptera in Oklahoma.
8667

The Asilinae (Diptera, Asilidae) of Oklahoma.
8669

Oklahoma leaf beetles of the suhfamilies Donaciinae, Criocerinae, Clytrinae, Chlamisinae, Eumolpinae, and Chrysomelinae (Chrysomelidae, Coleoptera).
8671

Distribution and emergence patterns of mayflies Ephemera simulans (Ephemeroptera: Ephemeridae).
8753

Phytophagous ground beetles.
8776

Concerning the validity of the capture results of insect traps, together with an attitude toward the work of H. Peters, Heidelberg, on synanthropic flies.
8784

Ecological research in the Lamto Savannah (Ivory Coast): Preliminary data on the populations of terrestrial ants.
8794

Ecological significance of antihiotics of some varieties of Bacillus thuringiensis.
8831

The limnology of Playa Lakes on the Llano Estacado, New Mexico and Texas.
8872

Banana diseases in the Pacific area.
8924

The Mexican species of Uromyces (Uredinales).
8955

Ten years of ohservations on citrus canker.
8981

Current status of hrown soft scale in citrus groves of the lower Rio Grande Valley.
9009

Insect parasites in the natural control of species of rice stem horers on Luzon Island, Philippines.
9012

Role of winter cress, Barharea vulgaris, as a temporal host in the seasonal development of the crucifer fauna.
9020

Eelworms-a progress report on a few more groups found in North-East Indian tea soils.
9025

Are herhicides doing their joh .
9035

Survey ohservations on ovine mastitis in New Zealand stud Romney flocks. 1. The incidence of ovine mastitis.
9101

Some ectoparasites from West Virginia mammals, II.
9128

Recovery of 65 organophosphorus pesticides from Florisil with a new solvent elution system.
9148

SWEP
Effect of herhicides on the valuations of made tea.
9212

SWINE
Mycotoxicosis associated with hemorrhagic enterocolitis and ahortion in swine.
9062

The effects of ICI 33828 and oxytocin on milk ejection and milk production in the lactating sow.
9074

Stimulation of porcine splenic cultures hy a radiationinduced lymphoid leukemia filtrate: a preliminary report.
9078

Etiologic factors of gastric ulcers in swine.
9086

Intoxification of swine with noxious gases.
9095

A tool for combating trichinosis.
9125

Notice of filing of petition regarding pesticide chemicals.
9151

SYMBIOSIS
On the Schizophyta-like appearance of the flagella of termite symhionts.
8790

SYMPTOMATOLOGY
A fruit rot of strawherries caused hy Zythia fragariae.
8986

SYNERGISTS
Synergism in the chemotherapy of Fascioliasis.
9084

SYNTHESIS
Nucleic acid synthesis in nurse cells of Rhynchosciara angelae Nonato and Pavan, 1951.
8705

SYSTEMIC INSECTICIDES
Selective toxicity of systemic insecticides.
8845

The effects of comhinations of preemergence herhicides and systemic insecticides on cotton stands and yields.
9196

T, 2,4,5-
Effects of five herhicides on three green algae.
9048

Note on the determination of some chlorophenoxy herbicides and their esters in water.
9143

TABANIDAE
Descriptions of new Neotropical Tabanidae and new records for Argentina.
8658

Culicidae and Tahanidae as potential vectors of anaplasmosis in Mississippi.
9107

TABANUS BROMIUS
Electrophysiological study of contact chemoreceptors in hloodsucking Diptera.
8907

TABLES (DATA)
Pathogenicity of a nuclear-polyhedrosis virus of the beet armyworm, Spodoptera exigua.
8774

Etiella zinckenella Treit-a pod borer pest of Crotalaria anagyroides H.B.K.
8778

Simultaneous infection with the nucleopolyhedrosis and granulosis viruses of Trichoplusia ni.
8800

Trithion-a new acaricide.
8814

The method and role of vertical transmission of a nucleopolyhedrosis virus in the European spruce fly, Diprion hercyniae.
8818

Preliminary studies of the release in 1965 on the island of Chalki, of Opius concolor Szepl. (Hymen, Braconidae) a parasite of Dacus oleae Gmel. (Dipt. Trypetidae).
8864

Factors affecting the sex ratio of Aphytis proclia Wlk. (Hymenoptera, Aphelinidae), external parasite on the San Jose scale.
8873

The development of resistance in Cladosporium cucumerinum against 6-azauracil, a chemotherapeutant of cucumber scab, and its relation to hiosynthesis of RNA-PRECURSORS.
8944

Integrated chemical control of insects and hiological control of mites on apple in Washington.
9010

A review of lepidopterous pests of coniferous forests in the Baykal Region.
9019

On the merit of simple pricking with R2B (Mukteswar strain) for effective vaccination against New Castle (Ranikhet) disease.
9092

Effect of herbicides on the valuations of made tea.
9212

TACHINIDAE
Rearing Phryxe caudata Rond. (Larvaevoridae), a parasite of Thaumetopoaea pytocampa Schiff. on an alternate host: Galleria mellonella.
8744

Hyalomyodes triangulifer parasitizing the cereal leaf beetle, Oulema melanopus.
8897

TAKE-ALL
Studies on the nutrition and development of Gaeumannomyces graminis (Sacc.) von Arx et Olivier, the causal organism of the take-all disease of cereals.
8951

TARSONEMIDAE
Further studies on the Tarsonemidae, II (Acarina).
8672

TARSONEMUS ADAMSI
Further studies on the Tarsonemidae, II (Acarina).
8672

TARSONEMUS CONFUSUS
Further studies on the Tarsonemidae, II (Acarina).
8672

TARSONEMUS SUMMERSI
Further studies on the Tarsonemidae, II (Acarina).
8672

TAXONOMY
Wetanema hula n. gen. et sp., a nematode from the weta Hemideina thoracica (White).
8737

Nematodes of the family Tetradonematidae, parasitizing in memhers of the family Simuliidae (Diptera).
8844

New symphoriont intranstylum - species (Peritricha, Ciliata) on larvae of Chironomous plumosus.
8869

A foliar disease of tuherose caused hy Aphelenchoides besseyi.
9031

TEA
Trithion-a new acaricide.
8814

Eelworms-a progress report on a few more groups found in North-East Indian tea soils.
9025

Effect of herbicides on the valuations of made tea.
9212

TEICHOIC ACID COMPOUNDS
On the structure of the glycerol teichoic acid from the cell wall of Actinomyces antibioticus-39. zaretskaja, m s.
9238

TELENOMUS
Palearctic species of egg parasites of the genus Telenomus haliday (Hymenoptera, Scelionidae, Telenominae).
8645

TELODRIN
Resistance to Telodrin in the German cockroach, Blattella germanica
8731

TEMPERATURE
Anomalous dimorphism in Aedes vexans.
8736

Time required for development of Voria ruralis and its host, the cabbage looper, at different temperatures.
8775

Life history of Upis ceramboides at Fairbanks, Alaska.
8780

Heat effects on the infectivity of the nuclear polyhedrosis virus of Heliothis spp.
8801

Humidity preference of the alfalfa weevil, Hypera postica, as affected by microenvironmental and physiological conditions.
8863

Some effects of sublethal heat on spores of Nosema apis.
8890

Oxygen consumption of the western horse lubber grasshopper.
8899

A temperature effect on nondisjunction of the X chromosomes among eggs from aged Drosophila females.
8912

Genetic loads and cold temperature resistance in Drosophila pseudoobscura.
8916

Effect of storage treatments and fungicides on sprouting, flowering and gladiolus corm production.
8947

Factors affecting severity of seedling blight of corn in the United Arab Republic.
8976

Temperature response of seeds during the early phases of germination and its relation to injury by Rhizoctonia solani.
8983

On the knowledge of the seasonal dynamics of heteroderosis in sugar beets in East-Slovakia (CSSR).
9027

Nutritional requirements for reproduction of a temperature sensitive nematode, reared in axenic culture.
9030

The influence of environment on the phytotoxicity of dicamba, picloram, bromoxynil and 2,4-D ester.
9041

Study of the thermosensitive mutants of the vesicular stomatitis virus. Evidence from a complement test.
9071

A study of the thermosensitive mutants of the vesicular stomatitis virus (VSV). The classification of several mutants by the criteria of function.
9088

TENEBRIO MOLITOR
Bioassay, preliminary purification, and effect of age, crowding, and mating on the release of sex pheromone by female Tenebrio molitor.
8765

Teratology of the beetle Tenebrio molitor. IV. Ultrastructure of the necrotic fat body and foregut associated with the pupal-winged adult.
8866

TENEBRIONIDAE
Life history of Upis ceramboides at Fairbanks, Alaska.
8780

TENOSYNOVITIS
Tenosynovitis in the horse.
9121

TENTHREDINIDAE
The genus Craterocercus Rohwer (Hymenoptera: Tenthredinidae).
8673

Problems of the month.
8932

TEPA
The action of Tepa on the adults of Dacus oleae Gmel. (Diptera: Tephritidae) as a function of the quantity of the chemosterilant used.
8757

TEPHRITIDAE
Studies of fruitflies associated with mistletoe in Australia and Pakistan with notes and descriptions on genera related to Perilampsis Bezzi Diptera: Tephritidae.
8635

The action of Tepa on the adults of Dacus oleae Gmel. (Diptera: Tephritidae) as a function of the quantity of the chemosterilant used.
8757

Low-cost larval rearing medium for mass production of Oriental and Mediterranean fruit flies.
8879

Infestation of peaches by Rhagoletis suavis.
9006

TERMITES
A new Coptotermes (Isoptera, Rhinotermitidae) from Gabon.
8636

On the Schizophyta-like appearance of the flagella of termite symbionts.
8790

TETRADIFON
Control of mites and aphids on and in bulbs.
8850

TETRAMETHYL-CYCLOPROPANECARBOXYLIC ACID, 2,2,3,3-
Studies on chrysanthemic acid. Part XVIII. A new biologically active acid component related to chrysanthemic acid.
8806

TETRANYCHIDAE
Oligonychus araneum sp. n. and Oligonychus digitatus Davis (Acarina: Tetranychidae) as pests of grasses in eastern Australia.
8622

Trithion-a new acaricide.
8814

Problems of the month.
8932

TETRANYCHUS
Studies of Queensland Tetranychidae. 7. Records of the genus Eotetranychus (Acarina: Tetranychidae).
8621

Biology of the spider mite, Tetranychus evansi.
8838

TETRANYCHUS ATLANTICUS
Mortality, longevity, and fecundity of spider mites on cotton treated with systemic acaricides.
8692

TETRANYCHUS CINNABARINUS
Mortality, longevity, and fecundity of spider mites on cotton treated with systemic acaricides.
8692

TETRANYCHUS MCDANIELI
Integrated chemical control of insects and biological control of mites on apple in Washington.
9010

TETRANYCHUS TUMIDUS
Mortality, longevity, and fecundity of spider mites on cotton treated with systemic acaricides.
8692

TETRANYCHUS URTICAE
Mortality, longevity, and fecundity of spider mites on cotton treated with systemic acaricides.
8692

A laboratory testing programme for assessing field performance of acaricides against Tetranychus urticae (Koch).
8857

TETRASTICHUS
Insect parasites in the natural control of species of rice stem borers on Luzon Island, Philippines.
9012

Some ecological observations and results of the control of Argyresthia fundella F. R.
9022

TETRASUL
Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. p-Chlorophenyl-2,4,5-trichlorophenyl sulfide.
9155

TETTIGONIIDAE
The Tettigoniidae (Orthoptera) of Oklahoma.
8660

THERAPEUTICS
Bovine horn cancer: therapeutic experiments with autogenous vaccine.
9098

THERIOAPHIS MACULATA
Migration of an anholocyclic strain of the spotted alfalfa aphid into Nebraska.
8848

THERMOBIA DOMESTICA
Water balance in the firebrat, Thermobia domestica (Packard). Exchanges of water with the atmosphere.
8820

THIAMINE
Polioencephalomalacia (cerebrocortical necrosis).
9090

THIAZOLE COMPOUNDS
Certain 2-alkanoylamino-5-halothiazoles. Patent 3,427,318.
9036

THIAZOLYL)-BENZIMIDIZOLE, 2-(4-
The therapeutic effect of Thiabendazole, 2-(4-thiazolyl) benzimidazole, against Cercospora leaf spot on sugar beets when applied as a soil drench.
8991

Further experiments with low-level feeding of Thiabendazole to lambs.
9135

THIOCARBAMATES
Wound dressings for the prevention of silver-leaf in fruittrees caused by Stereum purpureum (Pers.) Fr.
8946

THIRAM
Sensitivity of Rhizobium species to certain fungicides.
8933

Wound dressings for the prevention of silver-leaf in fruittrees caused by Stereum purpureum (Pers.) Fr.
8946

THORAX
The adult cervicothoracic musculature of the cockroach, Nauphoeta cinerea (Olivier).
8871

THORICTIDAE
Addendum to the revision of the genus Thorictus Germ.
8642

THORICTUS
Addendum to the revision of the genus Thorictus Germ.
8642

THYSANURA
Water balance in the firebrat, Thermobia domestica (Packard). Exchanges of water with the atmosphere.
8820

TIMBER
The infestation of timber by bark beetles (Col., Scolytidae) and their enemies in different zones of the Finnish southwestern archipelago.
8823

TIME
Time required for development of Voria ruralis and its host, the cabbage looper, at different temperatures.
8775

TINGIDAE
Lannate - a new insecticide for the control of the giant looper and other pests.
8751

TIPULA IRIDESCENT VIRUS
Purification and some properties of Chilo iridescent virus.
8883

TISSUE CULTURE
The maturation of the oocytes in the isolated abdomen of Leucophaea maderae.
8719

Cytopathology of a nucleopolyhedrosis of the beet armyworm, Spodoptera exigua.
8773

Nutritional requirements for reproduction of a temperature sensitive nematode, reared in axenic culture.
9030

Growth of Rift Valley fever virus in human diploid (WI-38) cells.
9082

Ribonucleic acid synthesis in chick embryo cells infected with fowl-plague virus.
9114

Interference between vaccinal virus and rabies virus.
9122

Fine structure of healthy and TMV-INFECTED tobacco cells grown in tissue culture.
9206

TISSUE GRAFTING
The maturation of the oocytes in the isolated abdomen of Leucophaea maderae.
8719

Homograft of the tarsus into the place of the eye in the phasmid Sipyloidea sipylus W.
8888

TISSUES
Distribution of wheat streak mosaic virus-like particles in Aceria tulipae.
8876

Pattern of cell death in sorghum stalk tissue as a measure of the susceptibility to spread of Colletotrichum graminicola in fifty-five sorghum varieties.
8965

Alteration of plant growth habit as a means of controlling rhizomatous species.
9037

Actinobacillus lignieresii infection in a dog.
9067

Multiple antigenic components of the group-specific antigen of the avian leukosis-sarcoma viruses.
9109

Electron microscopical observations on Mycobacterium johnei.
9115

TOBACCO
Effect of TMV multiplication on RNA and protein synthesis in tobacco chloroplasts.
8956

Tobacco etch virus cylindrical inclusions: antigenically unrelated to the causal virus.
8984

Occurrence of brown spot on tobacco in Kentucky in 1966.
8989

Partial reconstitution of tobacco mosaic virus.
8993

Calcium nutrition and black shank of tobacco.
8999

House sparrows and a field infestation of tobacco hornworm larvae.
9023

Mortality of the earthworm Lumbricus terrestris L. following soil applications of insecticides to a tobacco field.
9175

Fine structure of healthy and TMV-INFECTED tobacco cells grown in tissue culture.
9206

TOBACCO MOSAIC VIRUS
The pitch of tobacco mosaic virus.
8948

Effect of TMV multiplication on RNA and protein synthesis in tobacco chloroplasts.
8956

Partial reconstitution of tobacco mosaic virus.
8993

The metabolism of carbon-14 specifically labelled glucose in leaves showing tobacco mosaic virus induced local necrotic lesions.
9205

Fine structure of healthy and TMV-INFECTED tobacco cells grown in tissue culture.
9206

TOLUENE
Gas chromatographic determination of ethyl O,O-dimethyl-dithiophosphoryl-l-phenyl acetate in technical grade cidial and its 50 percent liquid formulation.
9216

TOMATOES
Corn earworm infestation in ripe strawberries.
9017

Notice of filing of petition regarding pesticide chemicals.
9150

TORTRICIDAE
Problems of the month.
8932

TOXAPHENE
Studies on the effect of sulfuric-fuming nitric acid treatment on the analytical characteristics of toxaphene.
9153

TOXICITY
The action of Tepa on the adults of Dacus oleae Gmel. (Diptera: Tephritidae) as a function of the quantity of the chemosterilant used.
8757

Selective toxicity of systemic insecticides.
8845

Comparative toxicites of insecticides to house fly larvae and Macrocheles muscaedomestica, a mite predator of the house fly.
9168

Acute cutaneous toxicity of certain organophosphorous insecticides. I. Lehaycid.
9172

Mechanisms of pesticide interactions in vertebrates.
9177

Toxicity of tall fescue to rape and birdfoot trefoil seeds and seedlings.
9210

TOXICOLOGY
Nerve-blocking effect of Bacillus thuringiensis protein toxin.
8734

Mode of entry of contact insecticides.
8758

Comparative toxicites of crystal serotypes of Bacillus thuringiensis for larvae of Philosamia cynthia var. ricini.
8830

Physico-chemical studies on the absorption of pesticides by the insect cuticle and peneration to the insect body.
8874

Sensitivity of Rhizobium species to certain fungicides.
8933

Chemical control of pea root rot by soil-incorporation and in-furrow treatments with 1-chloro-2-nitropropane.
8954

Arsenic poisoning of cattle and other domestic animals.
9096

Further evaluation of animal systemic insecticides, 1968.
9126

Comparative mechanisms of insecticide binding with nerve components of insects and mammals.
9176

Mode of action of DDT and allethrin on nerve: Cellular and molecular mechanisms.
9178

Studies of warfarin resistance in the rat. (Abstract).
9179

Hematopoiesis and epiphyseal growth zones in rabbits with molybdenosis.
9183

On the mode of action of carbamate herbicides.
9200

TOXINS
Nerve-blocking effect of Bacillus thuringiensis protein toxin.
8734

The formation of tumorlike lesions in the cockroach Leucophaea maderae after anal blockage.
8880

Meadow vole used in hay research.
9052

Biological activity of a phytotoxic glycopeptide produced by Corynebacterium sepedonicum.
9180

TOXOPLASMA GONDII
Isolation of Toxoplasma gondii from naturally infected chickens.
9072

TOXOPLASMOSIS
Isolation of Toxoplasma gondii from naturally infected chickens.
9072

TRACHEA
Mode of entry of contact insecticides.
8758

TRAPS
Observations on bird tanglefoot traps as a direct method of apple maggot control.
9014

TREE DISEASES
Presence of two tree vascular diseases confirmed in Arkansas.
9000

TREE INJURIES
A review of lepidopterous pests of coniferous forests in the Baykal Region.
9019

TREES
Wound dressings for the prevention of silver-leaf in fruittrees caused by Stereum purpureum (Pers.) Fr.
8946

TREMATODA
A new species of the genus Pegosomum Ratz, 1903 (Trematoda: Echinostomatidae).
8747

TREMATODIASIS
Host-parasite relationships of Fasciola hepatica in the white mouse. III. Worm transfer.
9131

TRIATOMA INFESTANS
Effect of DDT on incorporation of C14-labeled glucose into protein and soluble intermediates of nymphal Triatoma infestans.
8743

TRIAZINE-3,5(2H,4H)-DIONE,6-AS
The development of resistance in Cladosporium cucumerinum against 6-azauracil, a chemotherapeutant of cucumber scab, and its relation to biosynthesis of RNA-PRECURSORS.
8944

TRIAZOLE COMPOUNDS
Antibacterial composition containing 5-nitro-2-furyl-1,2,4-triazoles. Patent 3,427,387.
9218

TRICARBOXYLIC ACID CYCLE
Effect of DDT on incorporation of C14-labeled glucose into protein and soluble intermediates of nymphal Triatoma infestans.
8743

Utilization of tricarboxylic acid cycle intermediates by Haemonchus contortus larvae.
9133

TRICHINELLA SPIRALIS
Trichiniasis in wildlife of Iowa.
9124

TRICHINOSIS
Trichiniasis in wildlife of Iowa.
9124

A tool for combating trichinosis.
9125

TRICHLORFON
Selective toxicity of systemic insecticides.
8845

Comparative toxicites of insecticides to house fly larvae and Macrocheles muscaedomestica, a mite predator of the house fly.
9168

TRICHLOROBENZOIC ACID, 2,3,6-
2,3,6-trichlorobenzoic and 2,6-dichlorobenzoic acid interference with phototropic and geotropic responses of seedlings.
9213

TRICHODORUS
Eelworms-a progress report on a few more groups found in North-East Indian tea soils.
9025

The effect of soil fumigation on the growth of sugar beet.
9193

TRICHOPHYTON VERRUCOSUM
Equine ringworm caused by Trichophyton tonsurans var sulfureum.
9087

TRICHOPLUSIA NI
Time required for development of Voria ruralis and its host, the cabbage looper, at different temperatures.
8775

Simultaneous infection with the nucleopolyhedrosis and granulosis viruses of Trichoplusia ni.
8800

The influence of infections of nuclear-polyhedrosis virus on adult cabbage loopers and their progeny.
8889

TRICHOPTERA
A new family of caddis-flies from Australia (Trichoptera: Tasimiidae).
8664

The genera Neurocyta Navas and Phryganopsyche Wiggins in India (Trichoptera, Phryganeidae, and Phryganopsychidae).
8670

Two new species of Idaho Trichoptera with distributional and taxonomic notes on other species.
8674

Feeding habits of larvae of seven Rhyacophila (Trichoptera: Rhyacophilidae) species with notes on other life-history features.
8882

TRICHOSTRONGYLUS AXEI
Experimental infections of calves with Trichostrongylus axei investigations using abomasal cannulae.
9108

TRICHOSTRONGYLUS COLUBRIFORMIS
Further experiments with low-level feeding of Thiabendazole to lambs.
9135

TRIFLUOROMETHYLPHENYL)-1,1-DIMETHYLUREA, 3-(M
The effects of combinations of preemergence herbicides and systemic insecticides on cotton stands and yields.
9196

TRIFLURALIN
Weed control in cotton.
9046

The effects of combinations of preemergence herbicides and systemic insecticides on cotton stands and yields.
9196

TRIIODOBENZOIC ACID, 2,3,5-
Cell-wall deposition and the distribution of cytoplasmic elements after treatment of pea internodes with the auxin analog 2,3,5-triiodobenzoic acid.
9188

TRIPHENYLTETRAZOLIUM CHLORIDE, 2,3,5-
Predicting maize seed viability using 2,3,5-triphenyltetrazolium chloride.
9185

TRIPTEROIDES DENTICULATUS
Three new species of the genus Tripteroides, subgenus Tripteroides Giles (Diptera: Culicidae).
8624

TRIPTEROIDES MALAYI
Three new species of the genus Tripteroides, subgenus Tripteroides Giles (Diptera: Culicidae).
8624

TRIPTEROIDES TARSALIS
Three new species of the genus Tripteroides, subgenus Tripteroides Giles (Diptera: Culicidae).
8624

TRITICUM AESTIVUM
Effect of sucrose and indole-3-acetic acid on extension growth of wheat coleoptile segments.
9207

TROPICAL PLANTS
Occurrence of plant growth inhibitors in tropical and subtropical vegetation.
9189

TRYPETIDAE
Preliminary studies of the release in 1965 on the island of Chalki, of Opius concolor Szepl. (Hymen, Braconidae) a parasite of Dacus oleae Gmel. (Dipt. Trypetidae).
8864

TRYPORYZA INCERTULAS
Insect parasites in the natural control of species of rice stem borers on Luzon Island, Philippines.
9012

TURF
Growth response of turfgrasses to several herbicides.
9211

TURKEY
Mycoplasma infections with emphasis on the control of M. gallisepticum.
9061

TYLAN
Tylan very effective in treating pigeons.
9173

TYPHLODROMUS OCCIDENTALIS
Integrated chemical control of insects and biological control of mites on apple in Washington.
9010

TYROSINE
Bursicon mediation of tyrosine hydroxylation during tanning of the adult cuticle of the fly, Sarcophaga bullata.
8853

ULCERS
Etiologic factors of gastric ulcers in swine.
9086

ULMUS
Elm research institute.
9247

ULTRASONIC WAVES
Response of flying bollworm moths and other tympanate moths to pulsed ultrasound.
8693

UREA HERBICIDES
Analysis of a single crop extract for substituted urea herbicides and metabolites, chlorinated insecticides, and amitrole.
9239

Bratton-Marshall reagent for the detection of substituted urea herbicides and metabolites on TLC plates.
9240

URINE
Arsenic poisoning of cattle and other domestic animals.
9096

Thin-layer chromatography of rat bile and urine following intravenous administration of pesticidal synergists.
9171

The metabolism of Bayer 9017 in calves.
9184

UROMYCES
The Mexican species of Uromyces (Uredinales).
8955

USTILAGO STRIIFORMIS
Infection of Merion bluegrass, Poa pratensis, by stripe smut, Ustilago striiformis.
8957

VACCINES
On the merit of simple pricking with R2B (Mukteswar strain) for effective vaccination against New Castle (Ranikhet) disease.
9092

Relationship of viruses to reproductive problems.
9094

Bovine horn cancer: therapeutic experiments with autogenous vaccine.
9098

The trend in the evolution of the poultry vaccines and the channels of administration.
9104

(R2B) the Mukteswar virus vaccine and its characters.
9105

VACCINIA VIRUS
Interference between vaccinal virus and rabies virus.
9122

VEGETABLES
Alate aphids trapped over 8 years at two sites in Canterbury, New Zealand.
8798

Hypnoidus riparius (Fabricius), a possible agricultural pest from Europe (Coleoptera: Elateridae).
8868

Exclusive hypovirulence, an original phenomenon in vegetable pathology.
8953

Acetonitrile extraction and determination of carbaryl in fruits and vegetables.
9158

VELOCITY
The fluorescent particle spray droplet tracer method.
9230

The optimum size for insecticide spray droplets.
9231

VERTEBRATES
Viruses of vertebrates, ed. 2.
9058

Vesicular stomatitis virus infections in Panamanian primates and other vertebrates.
9119

Mechanisms of pesticide interactions in vertebrates.
9177

VESICULAR STOMATITIS VIRUS
Study of the thermosensitive mutants of the vesicular stomatitis virus. Evidence from a complement test.
9071

Proteins of vesicular stomatitis virus. I. Polyacrylamide gel analysis of viral antigens.
9083

A study of the thermosensitive mutants of the vesicular stomatitis virus (VSV). The classification of several mutants by the criteria of function.
9088

Vesicular stomatitis virus infections in Panamanian primates and other vertebrates.
9119

Structural proteins of vesicular stomatitis viruses.
9123

VESPIDAE
New records and new species of Australian Masaridae (Hymenoptera: Vespoidea).
8663

VETERINARIANS
Equine ringworm caused by Trichophyton tonsurans var sulfureum.
9087

VILLA
The existence of two optional diapauses in the biological cycle of Villa brunnea Beck. (Dipt., Bombyliidae).
8746

VIROLOGY
Sigma virus multiplication in whole-animal culture of Drosophila.
8852

Purification and some properties of Chilo iridescent virus.
8883

The pitch of tobacco mosaic virus.
8948

Effect of TMV multiplication on RNA and protein synthesis in tobacco chloroplasts.
8956

Purification of soybean mosaic virus.
8958

Reversible dissociation of cucumber mosaic virus (strain S).
8964

Behavior of belladonna mottle virus in serological tests in the presence of organic mercury compounds.
8966

The production of new types of symptoms by mixtures of different components of two strains of alfalfa mosaic virus.
8970

Tobacco etch virus cylindrical inclusions: antigenically unrelated to the causal virus.
8984

Partial reconstitution of tobacco mosaic virus.
8993

Virus-like particles in galls on sugarcane plants affected by Fiji disease.
8994

Additional evidence of multiplication of the sowthistle yellow vein virus in an aphid vector-serial passage.
9024

The N-terminal amino acid of an avian leukosis group-specific antigen from avian myeloblastosis virus.
9057

Growth of Rift Valley fever virus in human diploid (WI-38) cells.
9082

A study of the thermosensitive mutants of the vesicular stomatitis virus (VSV). The classification of several mutants by the criteria of function.
9088

Neutralization of canine herpesvirus by dog and human serums: a survey.
9091

VIRULENCE
Exclusive hypovirulence, an original phenomenon in vegetable pathology.
8953

VIRUS DISEASES (ANIMALS)
The N-terminal amino acid of an avian leukosis group-specific antigen from avian myelohlastosis virus.
9057

Growth of Rift Valley fever virus in human diploid (WI-38) cells.
9082

Neutralization of canine herpesvirus by dog and human serums: a survey.
9091

On the merit of simple pricking with R2B (Mukteswar strain) for effective vaccination against New Castle (Ranikhet) disease.
9092

Aleutian disease of mink: Infectious virus-antibody complexes in the serum.
9099

(R2B) the Mukteswar virus vaccine and its characters.
9105

Bushbush, Ieri, and Lukuni viruses, three unrelated new agents isolated from Trinidadian forest mosquitoes.
9117

VIRUS DISEASES (INSECTS)
Cytopathology of a nucleopolyhedrosis of the beet armyworm, Spodoptera exigua.
8773

Pathogenicity of a nuclear-polyhedrosis virus of the beet armyworm, Spodoptera exigua.
8774

Simultaneous infection with the nucleopolyhedrosis and granulosis viruses of Trichoplusia ni.
8800

The method and role of vertical transmission of a nucleopolyhedrosis virus in the European spruce fly, Diprion hercyniae.
8818

Purification and some properties of Chilo iridescent virus.
8883

Iridescent virus from blackfly Simulium ornatum Meigen in Czechoslovakia.
8896

VIRUS DISEASES (PLANTS)
Corn stunt vector leafhopper attractancy to and oviposition preference for hybrid dent corn. I. Dalbulus maidis.
8732

Banana diseases in the Pacific area.
8924

Irrigated sugar-cane in Rhodesia.
8925

An hypothesis for selection of strains of potato leaf roll virus by passage through Physalis floridana.
8940

The occurrence and some properties of black raspberry latent virus.
8941

Genetic studies of pea leaf-roll (top-yellows) virus resistance in Pisum sativum.
8942

The occurrence of inclusion bodies in leaf epidermis cells of sandal affected with spike disease.
8945

The pitch of tobacco mosaic virus.
8948

Effect of TMV multiplication on RNA and protein synthesis in tobacco chloroplasts.
8956

Purification of soybean mosaic virus.
8958

Occurrence of virus particles in the phloem tissue of BYDV-infected barley.
8962

Reversible dissociation of cucumber mosaic virus (strain S).
8964

Behavior of belladonna mottle virus in serological tests in the presence of organic mercury compounds.
8966

The disassociation and reassociation of the proteins of the RNA in the lucerne mosiac virus.
8968

The production of new types of symptoms by mixtures of different components of two strains of alfalfa mosaic virus.
8970

Tobacco etch virus cylindrical inclusions: antigenically unrelated to the causal virus.
8984

Agropyron repens and other perennial grasses as hosts of bromegrass mosaic virus from the U.S.S.R. and the United States.
8988

Transmission of apple viruses by leaf tissue implantation.
8992

Partial reconstitution of tobacco mosaic virus.
8993

Virus-like particles in galls on sugarcane plants affected by Fiji disease.
8994

Dark green epinasty of Chenopodium quinoa, a syndrome induced by a virus latent in apple and pear.
8998

Transmission of strawberry mottle virus by juice and aphids to herbaceous hosts.
9007

Additional evidence of multiplication of the sowthistle yellow vein virus in an aphid vector-serial passage.
9024

The metabolism of carbon-14 specifically labelled glucose in leaves showing tobacco mosaic virus induced local necrotic lesions.
9205

VIRUSES
Occult viruses in insects. (Abstract).
8710

Distribution of wheat streak mosaic virus-like particles in Aceria tulipae.
8876

Viruses of vertebrates, ed. 2.
9058

The structure of the mammary tumor virus.
9066

Relationship of viruses to reproductive problems.
9094

Vesicular stomatitis virus infections in Panamanian primates and other vertebrates.
9119

VISION
Discrimination between movements of eye and object by visual interneurones of crickets.
8826

VITAMIN A
The effect of vitamin A depletion on the vasa deferentia of young bulls.
9075

VITAMIN D
Balance cows' minerals to defeat milk fever.
9089

VORIA RURALIS
Time required for development of Voria ruralis and its host, the cabbage looper, at different temperatures.
8775

WARFARIN
Studies of warfarin resistance in the rat. (Abstract).
9179

Do anticoagulant concentrates contain excessive amounts of inert ingredients.
9234

WASTE UTILIZATION
Utility of arecanut husk in horticulture..
8927

WATER
Water balance in the firebrat, Thermobia domestica (Packard). Exchanges of water with the atmosphere.
8820

Add water-- instant Culicoides.
8900

An active reduction of water level in insect cuticle.
8902

Note on the determination of some chlorophenoxy herbicides and their esters in water.
9143

Survival of fish in 164 herbicides, insecticides, fungicides, wetting agents and miscellaneous substances.
9167

WATER ANALYSIS
The limnology of Playa Lakes on the Llano Estacado, New Mexico and Texas.
8872

WATER POLLUTION
Internal damage in an aquatic beetle exposed to sublethal concentrations of inorganic ions.
8905

Studies on effects of forest sprayings with insecticides, 1952-63, on fish and aquatic invertebrates in New Brunswick streams: Introduction and summary.
9144

DDT residues in a East Coast estuary, a case of biological concentration of a persistent insecticide.
9145

WATER STORAGE
Soil water measured.
8923

WEATHER
Biology and phenology of the grasshopper Dociostaurus curviocreus in Israel.
8712

The natural control of the apple-grass aphid, Rhopalosiphum insertum, with remarks on the control of apple aphids in the Netherlands in general.
8752

Spring dispersal of some leafhoppers and aphids.
8832

On the knowledge of the seasonal dynamics of heteroderosis in sugar beets in East-Slovakia (CSSR).
9027

WEED CONTROL
Should Michigan forget about peaches .
8928

Aerial spraying of forests: Notes for landowners.
9034

Are herbicides doing their job .
9035

WEEDS
Are herbicides doing their job .
9035

WEISMANN'S RING
Study of the corpus allatum in living larvae of the blow fly Calliphora erythrocephala MG. (Diptera, Calliphoridae).
8877

WHEAT
Distribution of wheat streak mosaic virus-like particles in Aceria tulipae.
8876

A technique for studying inhibition of the parasitic activity of Ophiobolus graminis (Sacc.) Sacc. in field soils.
8969

The influence of environment on the phytotoxicity of dicamba, picloram, bromoxynil and 2,4-D ester.
9041

Effect of sucrose and indole-3-acetic acid on extension growth of wheat coleoptile segments.
9207

WILDLIFE
Control of thar (Hemitragus jemlahicus): Evaluation of a poisoning technique.
9051

Trichiniasis in wildlife of Iowa.
9124

Improved gas chromatographic systems for determining organochlorine pesticide residues in wildlife.
9161

WILDLIFE DISEASES
Possible effects of the harbour seal bounty on codworm infestations of Atlantic cod in the Gulf of St. Lawrence, the Strait of Belle Isle, and the Labrador Sea.
9136

WILT
Presence of two tree vascular diseases confirmed in Arkansas.
9000

X-RAY DIFFRACTION
X-ray diffraction and infrared study of the sulphur granules of Actinomyces bovis.
9073

XANTHOMONAS PRUNI
The influence of nutrition on susceptibility of peach foilage to water congestion and infection by Xanthomonas pruni.
8972

XANTHOMONAS VESICATORIA
Characterization of a strain of Xanthomonas vesicatoria (Doidge) isolated from a commercial field of greenpepper (Capsicum annuum L.) in Campinas, Sao Paulo.
8950

XIPHINEMA AMERICANUM
Xiphinema americanum associated with maple decline in Massachusetts.
9029

XYLOCORIS GALACTINUS
On the bionomics of Lyctocoris beneficus (Hiura) and Xylocoris galactinus (Fieber) (Anthocoridae, Heteroptera).
9003

XYLOSANDRUS GERMANUS
The black bark beetle, Xylosandrus germanus Blandf., a newcomer to our domestic insect fauna.
8643

YEASTS
Survey uncovers promising antibiotic.
9069

Yeast sporulation and RNA as affected by gibberellic acid.
9198

Production of yeast variants by auxin and effects of plant growth regulators on these variants.
9214

YELLOW DWARF
Occurrence of virus particles in the phloem tissue of BYDV-infected barley.
8962

YELLOW VEIN
Additional evidence of multiplication of the sowthistle yellow vein virus in an aphid vector-serial passage.
9024

YPONOMEUTIDAE
Some ecological observations and results of the control of Argyresthia fundella F. R.
9022

ZINC PHOSPHIDE
Determination of zinc phosphide and its stability in rodent baits.
9228

ZINEB
Effect of storage treatments and fungicides on sprouting, flowering and gladiolus corm production.
8947

ZINNIA ELEGANS
Chemical growth retardants for bedding plants.
9203

ZOO ANIMALS
Cockroach control in Chicago's Lincoln park zoo.
8839

ZOOGEOGRAPHY
Description of new Aretiidae from Madagascar. (lep.) (15th note).
8616

Proposed faunal affinities of Utah Dytiscidae with the emphasis on the genus Hygrotus Stephens.
8618

Fourteen new chrysomelid beetles from Jamaica.
8619

Crypturgus hispidulus also in Baden (Col., Scolytidae) (Contribution to the southwestern German coleoptern fauna).
8620

Three new species of the genus Tripteroides, subgenus Tripteroides Giles (Diptera: Culicidae).
8624

The Baris lepidii group.
8625

Two new genera and five new species of Argaremini from New Zealand, with a key to the genera of Targaremini (Heteroptera: Lygaeidae).
8630

Contribution to the knowledge of the Staphylinidae. CIII. The Quedius oblitteratus Er.--nemoralis Baudi complex.
8631

The distribution of the furniture beetle, Anobium punctatum (De Geer) (Coleoptera: Anobiidae), in New South Wales.
8632

A new Coptotermes (Isoptera, Rhinotermitidae) from Gabon.
8636

Two species of apple-feeding gelechiids new to science (Lepidoptera).
8640

Addendum to the revision of the genus Thorictus Germ.
8642

The black bark beetle, Xylosandrus germanus Blandf., a newcomer to our domestic insect fauna.
8643

Taxonomic remarks about Staphylinidae.
8644

Palearctic species of egg parasites of the genus Telenomus haliday (Hymenoptera, Scelionidae, Telenominae).
8645

Microctonus glyptosceli n. sp., a parasite of Glyptoscelis pubescens (F.) in Wisconsin (Hymenoptera: Braconidae: Euphorinae and Coleoptera: Chrysomelidae).
8648

The mayfly genus Hexagenia in Mexico (Ephemeroptera: Ephemeridae).
8651

New South American genera and species of the tribe Bothynostethini (Hymenoptera; Spheciidae; Larrinae).
8652

The Aradidae of New Zealand (Hemiptera, Heteroptera). III. The Aradinae and Calisiinae.
8656

The natural foci of human transmissive diseases.
8657

A revision of the genus Chloroenemis Selys (Odonata).
8659

The new genus Fregatiella (Mallophaga: Menoponidae) for Menopon aurifasciatum from the frigate-bird.
8665

Hebridae (Hemiptera) of Oklahoma.
8668

The genus Craterocercus Rohwer (Hymenoptera: Tenthredinidae).
8673

Two new species of Idaho Trichoptera with distributional and taxonomic notes on other species.
8674

Notes on the systematics and dulosis of some western species of Formica, subgenus Raptiformica (Hymenoptera: Formicidae).
8675

Catalog of Neuroptera of Argentina and Uruguay.
8677

The postabodomen of Cinderella, with a new species from Argentina (Diptera: Heleomyzidae).
8678

Some African Fulgoroidea in the United States National Museum.
8679

Mallophaga from birds of the Oriental Region. Part IX. Sturnidoecus philippensis, n. sp. (Ischnocera: Philopteridae).
8680

First record of Rhagio scolopaceus (Linne) in North America (Diptera: Rhagionidae).
8682

Previously unpublished noeturnals of Madagascar. (Lep.).
8684

Systematics and acoustic behavior of United States crickets of the genus Orocharis (Orthoptera: Gryllidae).
8686

Effect of substrate types on aquatic insect distribution.
8707

A new record for a parasite of the alfalfa weevil in Eastern United States, Eriplanus micator (Gravenhorst) (Hymenoptera: Ichneumonidae).
8716

How different are the eastern and western forms of the alfalfa weevil.
8740

The natural control of the apple-grass aphid, Rhopalosiphum insertum, with remarks on the control of apple aphids in the Netherlands in general.
8752

Distribution and emergence patterns of mayflies Ephemera simulans (Ephemeroptera: Ephemeridae).
8753

Alate aphids trapped over 8 years at two sites in Canterbury, New Zealand.
8798

The incidence of parasitism and disease in some populations of the cabbage aphid,(Brevicoryne brassicae L.) in New Zealand.
8799

Trails of the leafcutters.
8812

Hypnoidus riparius (Fabricius), a possible agricultural pest from Europe (Coleoptera: Elateridae).
8868

Factors affecting the sex ratio of Aphytis proclia Wlk. (Hymenoptera, Aphelinidae), external parasite on the San Jose scale.
8873

Iridescent virus from blackfly Simulium ornatum Meigen in Czechoslovakia.
8896

Banana diseases in the Pacific area.
8924

Phytophthora leaf fall and pod rot of Hevea brasiliensis in Thailand.
8939

The Mexican species of Uromyces (Uredinales).
8955

Some ecological observations and results of the control of Argyresthia fundella F. R.
9022

The distribution of the family Heteroderidae (Filipjev, 1934) in South Africa and some host records of Meloidogyne species.
9026

Records of the higher fungi of Minnesota.
9050

ZYTHIA FRAGARIAE
A fruit rot of strawberries caused by Zythia fragariae.
8986

Abid, M K
Abo-Graib Experiment Station, Bagdad, Iraq; Entomology Div.
8692

Adansi, M A
Crops Research Institute, Ghana; Plant Introduction and Exploration Section
9185

Agee, H.r
U. S. dept. of Agriculture. agricultural Research Service; Entomology Research Division, Florence, S. C.
8693

Alabaster, J S
Ministry of Technology; Water Pollution Research Laboratory
9167

Aldhous, J R
Forestry Commission Research Branch
9034

Allen, D W
Harvard University; Huntington Memorial Hospital; John Collins Warren Lahoratories
9057

Allen, G E
Florida. technological University; College of Natural Sciences
8694

Anderson, J F
Connecticut. agricultural Experiment Station; Depts. of Entomology and Genetics, New Haven
8695

Anderson, R D
College of Southern Utah, Cedar City
8618

Andreassen, J
Copenhagen Univ., Denmark; Zoological Lah.
9130

Ashour, W A A
Ain Shams Univ., Shoubra, Cairo, Egypt; Dept. of Botany
8934

Ashrafi, S H
Pakistan. council for Scientific and Industrial Research; Pesticide Research Section, Karachi
8699

Ashworth, L J
U. S. Cotton Research Station, Shafter, Calif.; U. S. Dept. of Agriculture; Agricultural Research Service; Crops Research Division
8935

Askew, J
Lahoratory of the Government Chemist, England; Ministry of Technology
9147

Atwood, H L
Pennsylvania State Univ., University Park; Dept. of Entomology
8700

Avizohar-Hershenzon, Z
Volcani Institute of Agricultural Research, Bet Dagan, Isra; Division of Plant Pathology
8936

Axtell, R C
U. S. Public Health Service
9168

Baggiolini, M
Station federale d'essais agricoles, Lausanne, Switzer; Land
9002

Bain, O
Museum National d'Histoire Naturelle, Paris, France; Lah. de Zoologie
8701

Baker, R H
Maryland Univ., Baltimore; Inst. of International Medicine
8909

Banerjee, S N
West Bengal State Agricultural Research Institute
8702

Barash, I
Tel-Aviv University, Tel-Aviv, Israel; Division of Mycology And Plant Pathology
8937

Barbier, R
Faculte des Sciences, Rennes, France; Lab. de Biologie Animale
8703

Barr, T C
Kentucky Univ., Lexington; Dept. of Zoology
8704

Basile, R
Sao Paulo Univ., Brazil; Dept. od Biologia Geral da Faculoaoe oe Filosofia
8705

Basler, E
Oklahoma Agricultural Experiment Station, Stillwater; Dept. of Botany and Plant Pathology
9187

Batcheler, C L
Forest Research Inst., Wellington, New Zealand
8706

Bazzi, B
Italy. istituto Ricerche, Milan
9216

Beeson, W M
Indiana. purdue University, Lafayette.; Dept. of Animal Sciences
9059

Bell, H L
National Water Quality Lah., Duluth, Minn.
8707

Bendixen, L E
Ohio State University, Columbus
9037

Benson, W R
U. S. food and Drug Administration; Division of Food Chemistry and Technology, Wash. (city)
9217

Beulig, M L
Chicago. university; Dept. of Biology
8709

Bieher, L L
Michigan State University, East Lansing, 48823
9060

Bigland, C H
Saskatchewan. University; Western College of Veterinary Medicine
9061

Bissell, T L
Maryland. University.; Dept. of Entomology
8711

Blake, D H
Smithsonian Institution.; Dept. of Entomology
8619

Blevins, D I
Michigan. upjohn Company, Kalamazoo.; Agricultural Div.
9062

Blondheim, S A
Hebrew University; Dept. of Entomology, Jerusalem
8712

Bodnaryk, R P
National Institutes of Health, Bethesda, Md.; National Institute of Arthritis and Metabolic Diseases; Laboratory Of Physical Biology
8713

Bodnaryk, R P
National Insts. of Health, Bethesda, Md.; Lab. of Physical Biology
8714

Borg, T K
Wisconsin. university; Dept. of Entomology
8715

Bouck, G B
Yale Univ., New Haven, Conn.; Dept. of Biology
9188

Boulanger, L W
Maine. University.; Dept. of Entomology
8716

Boulard, M
Institut Francais du Cafe et du Cacao, Boukoko, Central; Africa; Service d'Entomologic
8717

Bovey, R W
U. S. dept. of Agriculture. agricultural Research Service; Crops Research Division, Mayaguez
9189

Bozarth, R F
Boyce Thompson Institute for Plant Reseach, Yonkers, N. Y.
8938

Branson, T.e
U. S. dept. of Agriculture. agricultural Research Service; Entomology Research Division, Brookings
8718

Brickey, P M
U. S. food and Drug Administration; Division of Microbiology, Wash. (city)
9141

Brookes, V J
Oregon State Univ., Corvallis; Dept. of Entomology
8719

Brown, B M
Stanford University School of Medicine, Palo Alto, Calif.; Dept. of Psychiatry
8720

Brownlie, L E
Commonwealth Scientific and Industrial Research; Organization, Queensland, Australia; Meat Research Lab.
9064

Buddenhagen, I W
Hawaii. university. college of Tropical Agriculture; Dept. of Plant Pathology
8924

Bullard, A T
U. S. air Force. lackland Air Force Base
8721

Burke, J A
U. S. food and Drug Administration; Division of Food Chemistry and Technology, Wash. (city)
9219

Byass, J B
National Institute of Agricultural Engineering
8722

Calafat, J
The Netherlands Cancer Institute, Amsterdam.; Dept. of Electron Microscopy and Biology
9066

Callec, J
Faculte des Sciences, Rennes, France; Lab. de Physiologie animale
8723

Canapati, P N
Andhra Univ., Waltair, India; Dept. of Zoology
8724

Carb, A V
New York. northshore Animal Hospital, Bayside.
9067

Casida, J E
California Univ., Berkeley; Div. of Entomology
9169

Caswell, R L
U. S. dept. of Agriculture. agricultural Research Service; Pesticides Regulation Division, Wash. (city)
9220

Chadwick, J S
Queen's University; Dept. of Microbiology and Immunology, Ontario
8725

Chamherlain, W F
U. S. dept. of Agriculture. agricultural Research Service; Entomology Research Division, Kerrville
8726

Chamhers, D L
Honolulu, Hawaii
8727

Chamhon, J-P
Centre National de la Recherche Agronomique, Versailles,; France; Station centrale de Zoologie
8728

Chaput, R L
U. S. armed Forces Research Institute; Defence Atomic Support Agency, Bethesda
8729

Chee, K H
Malaya. rubber Research Institute, Kuala Lumpur
8939

Cherry, L M
Queensland. university; MacGregor (Sir William) School of Physiology, Brishane
8730

Choudhuri, M A
Burdwan Univ., West Bengal, India; Dept. of Botany
9190

Clark, A M
Delaware Univ., Newark; Dept. of Biological Sciences
8910

Coetzee, V
Plant Protection Research Inst., Pretoria, South Africa
9026

Collins, H L
Mississippi. state University; Dept. of Entomology
8732

Converse, R H
Oregon State University, Corvallis; Dept. of Botany and Plant Pathology
8941

Cook, B J
Agricultural Research Service, Fargo, N. Dak.; Metabolism and Radiation Research Lab.
8733

Cooksey, K E
Miami. university; Institute of Marine Sciences
8734

Cormack, P B
Rhodesia. department of Conservation and Extension
8925

Crampton, M J
New Zealand. Dept. of Scientific and Industrial Research.; Crops Research Division, Lincoln
8942

Creger, C R
Texas Agricultural and Mechanical University, College Stati
9191

Creighton, W S
American Museum of Natural History, N. Y., N. Y.
8735

Cronan, J E
California. university, Irvine.; Dept. of Molecular and Cell Biology
9068

Croshy, D G
California Univ., Davis; Agricultural Toxicology and Residue Research Lab.
9221

Cumber, R A
Department of Scientific and Industrial Research,; Auckland, New Zealand; Entomology Div.
9005

Cupp, E W
Illinois. university; Dept. of Entomology
8736

Curi, J
Slovak Academy of Sciences, Kosice, Czechoslovakia; Helminthological Inst.
9027

Curi, J
Slovak Academy of Sciences, Kosice, Czechoslovakia; Helminthological Inst.
9028

Dale, P S
Massey Univ., Palmerston North, New Zealand; Dept. of Zoology
8737

Dale, W E
U.s. Public Health Service, Atlanta; Communicable Disease Center
9149

Danielson, L L
U. S. Dept. of Agriculture, Beltsville, Maryland; Agricultural Research Service; Crops Research Division
9038

Darst, P H
Purdue University; Dept. of Entomology, Lafayette, Ind.
8738

Davies, J B
Trinidad Regional Virus Lab., Port-of-Spain; Medical Research Council
8919

Davis, D W
Utah State Univ., Logan
8740

Davis, G R F
Canada Agriculture Research Station, Saskatchewan; Insect Ecology Section
8741

Davis, J J
Queensland. dept. of Primary Industries, Nambour
8621

Davis, J J
Queensland. dept. of Primary Industries, Nambour
8622

Davis, J R
California University, Davis
8943

De Boer, J A
Department of Scientific and Industrial Research, Nelson,; New Zealand; Entomology Div.
8623

de Pietri-Tonelli, P
Montecatini Edison, Milan, Italy; Pesticide Development Center
8691

De Wilde, J
Department Of Scientific and Industrial Research, Nelson,; New Zealand; Entomology Div.
8742

Dean, R W
New York State agricultural Experiment Station; Hudson Valley Laboratory
9006

Dekker, J
Agricultural Univ., Wageningen, Netherlands; Lab. OF Phytopathology
8944

Delfinado, M D
Hawaii Univ., Honolulu 96822; Dept. of Entomology
8624

DeLoach, H K
Missouri. university; Dept. of Horticulture
9222

Delobel, B
Institut National des Sciences Appliquees, Villeurbanne,; France; Lab. de Biologie
8744

Devine, J M
Syracuse. university; Life Sciences Division
9143

Dijkstra, J
Agricultural Univ., Wageningen, Netherlands; Lab. of Virology
8945

DiSanzo, C P
Fmc Corp., Middleport, N. Y.; Niagara Chemical Division
9029

Dougherty, E M
U. S. Dept. of Agriculture. agriculture Research Service; Entomology Research Division, Beltsville
8745

Douglas, M H
Department of Agriculture, Horsham, Australia
9051

Du Merle, P
Institut National de la Recherche Agronomique, Antibes,; France; Station de recherches de lutte biologique et de; zoologie
8746

Dye, M H
New Zealand. Dept. of Scientific and Industrial Research; Plant Diseases Division, Auckland
8946

Ebing, W
Biologische Bundesanstalt fur Land- und Forstwirtschaft,; Berlin, West Germany; Inst. fur Pflanzenschutzmittelforschung
9223

Edward, D H D
Western Australia. university; Dept. of Zoology
8626

Egan, H
England. laboratory of the Government Chemist; Cornwall House
9224

Ehrlich, F T
Georgia. university; Dept. of Entomology
8748

Eisner, T
American Museum of Natural History, N. Y, N. Y.
8749

El-Gamassy, A M
Ain Shams Univ., Cairo, Egypt; Faculty of Agriculture
8947

Elliott, M
Rothamsted Experimental Station, Harpenden, Herts, England; Dept. of Insecticides and Fungicides
9192

Engelmann, F
California. university, Los Angeles; Dept. of Zoology
8750

Evans, D E
Coffee Research Station, Ruiru, Kenya
8751

Evans, H E
American Museum of Natural History, N. Y., N. Y.
8627

Evenhuis, H H
Institute of Phytopathological Research (IPO), Wageningen,; Netherlands
8752

Exley, E M
Queensland. university; Dept. of Entomology
8629

Eyles, A C
British Columbia Univ., Vancouver; Dept. of Zoology
8630

Fagel, G
Institut royal des Sciences naturellis, Brussells,; Belgium
8631

Fatt, H V
California Univ., Berkeley; Depts. of Zoology and Nutritional Sciences
9030

Ferguson, G R
Geigy Agrical Chemicals; Div. of Geigy Chemical Corporation
9225

Finch, J T
Cambridge, England. MRC Laboratory of Molecular Biology
8948

Fishbein, L
Bionetics Research Labs., Inc., Falls Church, Va.
9171

Fishbein, L
Bionetics Research Labs., Inc., Falls Church, Va.
9226

Fisher, K D
Vermont Agricultural Experiment Station
8949

Flamand, A
Faculte des Sciences, Orsay, France; Lab. de Biologie experimentale
9071

Foster, B G
Texas A and M University, College Station; Dept. of Biology
9072

Frazier, N W
California Agricultural Experiment Station, Berkeley
9007

Frazier, P O
National Inst. of Dental Research, Bethesda, Md.; Lab. of Histology Cand Pthology
9073

French, J R J
New South Wales. forestry Commission; Division of Wood Technology
8632

Frenhani, A A
Instituto Biologico, Sao Paulo, Brazil
8950

Friedhoff, K
Tierarztliche Hochschule, Hannover, West Germany; Inst. fur Parasitologie
8754

Friesen, H A
Canada Dept. of Agriculture, Lacombe, Alberta
9041

Fukuda, S
Magoya Univ., Japan; Inst. de Biologie
8755

Fuzeau-Braesch, S
Faculte des Sciences, Orsay, France; Lab. de Zoologie
8756

Fytizas-Danielidou, R
Institute Phytopathologique Benaki, Athens, Greece; Lab. de Rodenticides et de Toxicologie de Pesticides
9172

Fytizas, E
Institut Phytopathologique Benaki, Athens, Greece; Lab. de l'Olivier
8757

Gerolt, P
Woodstock Agricultural Research Centre, Kent, England
8758

Ghannam, S
United Arab Republic. national Research Centre, Cairo.
9075

Gharagozlou, I D
Laboratoire de Microscopie electronique appliquee a; la Biologie, Paris, France
8759

Gindrat, D
Station federale d'essais agricoles, Lausanne, Switzer; Land
8951

Giuffrida, L
U. S. food and Drug Administration; Division of Pesticides, Wash. (city)
9227

Golbach, R
Fondacion Miguel Lillo, Tucuman, Argentina; Dept. de Zoologia
8633

Goodwin, R H
Australia. commonwealth Scientific and Industrial Research; Organization; Division of Entomology, Canberra
8760

Gouranton, J
Faculte des Sciences, Rennes, France; Lah. de Biologie cellulaire
8762

Gouranton, J
Faculte des Sciences, Rennes, France; Lah. de Biologie cellulaire
8763

Greene, G L
Inter-American Inst. of Agricultural Sciences, Turialha,; Costa Rica; Nuclear Energy Program
8952

Greet, D N
Rothamsted Experimental Station, Harpenden, Herts., England
9193

Grente, J
Centre de Recherches Agronomiques, Clermont, France; Station de Pathologie Jegetale
8953

Guerrant, G O
U. S. puhlic Health Service. national Communicahle Disease; Center; Technical Development Lahoratories, Savannah, Ga.
9228

Guilbault, G G
Louisiana State University, New Orleans; Chemistry Dept.
9229

Haglund, W A
Washington State Univ., Mount Vernon; Dept. of Plant Pathology
8954

Happ, G M
New York. university; Dept. of Biology
8765

Hardy, D E
Hawaii Univ., Honolulu; Dept. of Entomology
8635

Harman, D M
Maryland. university; Natural Resources Institute
8766

Harries, W N
Alberta, Canada. Provincial Veterinary Diagnostic Lahoratory
9076

Harris, C R
Canada. dept. of Agriculture, London Ontario; Research Institute
8767

Harris, W V
British Museum (Natural History), London, England; Termite Research Unit
8636

Hart, W G
U. S. dept. of Agriculture. agricultural Research Service; Entomology Research Division, Weslaco
9009

Hawkins, J
Box 11, Greensfork, Ind. 47345
9173

Hayward, K J
Tucuman Nacional Univ., Argentina; Dept. de Zoologie
8637

Hennen, J F
Indiana State Univ., Terre Haute; Dept. of Life Sciences
8955

Henson, J B
Washington State University, Pullman; Dept. of Veterinary Pathology
9077

Hildreth, P E
North Carolina. university; Dept. of Biology
8912

Himel, C M
Georgia. university; Dept. of Entomology
9230

Himel, C M
Georgia. university; Dept. of Entomology
9231

Hirai, A
California. University, Los Angeles; Dept. of Botanical Sciences and Molecular Biology; Institute
8956

Hodges, C F
Iowa State University, Ames
8957

Hodges, R W
U. S. Agricultural Research Service.; Systematic Entomology Laboratory
8640

Hoelscher, C E
Mississippi State Univ., State Coll.; Dept. of Entomolgy
8770

Hoffman, J A
Centre National de la Recherche Scientifique, Strashourg,; France; Biologie Humorale des Insectes
8771

Holtzmann, O V
Hawaii Univ., Honolulu; Dept. of Plant Pathology
9031

Horn, W G
Arkansas. University; Dept. of Plant Pathology
8958

Horsfall, J G
Connecticut Agricultural Experiment Station, New Haven
8959

Howard, E B
Battelle Memorial Institute, Richland, Wash.; Biology Dept. Pathology Section
9078

Hoyt, S C
Washington State Univ., Wenatchee; Tree Fruit Research Center
9010

Hunt, L B
Eastern Illinois University, Charleston; Dept. of Zoology
9152

Hunter, D K
California Univ., Riverside; Dept. of Biological Control
8773

Hunter, D K
California Univ., Riverside; Dept. of Biological Control
8774

Irvin, A D
Massachusettes, a.r.e. Institute for Research on Animal; Diseases, Berkshire.
9079

Ishida, M
Sankyo Co., Ltd., Tokyo, Japan; Agricultural Chemicals Research Lahs
8960

Ishiyama, T
Hokko Chemical Industry Co., Kanagawa, Japan
8961

Ivy, H W
Mississippi Agricultural Experiment Station, Stoneville; Delta Branch
9196

Jackson, C G
Agricultural Research Service, Tueson, Ariz. 85719; Entomology Research Div.
8775

Jacobs, W P
Princeton Univ., N. J.; Dept. of Biology
9197

James, L F
U. S. Agricultural Research Service; Animal Disease and Parasite Division; Poisonous Plant Research Laboratory, Logan
9080

James, M T
Washington. state University. college of Agriculture
8641

Janssen, W A
Biological Sciences Lab., Fort Detrick, Frederick, Md.
9081

Jensen, S G
U. S. Agricultural Research Service; Crops Research Division, Brookings, S. D.
8962

Johnson, L Y
U. S. food and Drug Administration, Cincinnati
9233

Johnson, N E
Cornell University; Dept. of Entomology and Limnology
8776

Joiner, R L
Mississippi. state University; Dept. of Agricultural Chemistry
8777

Jojima, T
Sankyo Co., Ltd., Tokyo, Japan; Agricultural Chemicals Research Laboratory
9042

Jorgensen, C D
Brigham Young Univ., Provo, Utah
9011

Kado, M
Ihara Chemicals Co., Ltd., Shizuoka, Japan; Agricultural Chemicals Research Lab.
8963

Kamisaka, S
Osaka City Univ., Japan; Lah. of Cell Biology
9198

Kamran, M A
Dowling College; Dept. of Biology, Oakdale, N. Y.
9012

Kang, C Y
McMaster University; Dept. of Biology, Ontario
9083

Kaper, J M
George Washington Univ., Washington, D. C.
8964

Karabanov, I A
Gomel State Pedagogical Inst., USSR
9199

Kashin, P
Illinois. institute of Technology. research Institute; Life Sciences Division
8779

Katsanos, R A
Rutgers Univ., Newark, N. J.; Dept. of Botany
8965

Kaufmann, T
Alaska. university; Institute of Aretic Biology
8780

Kawano, Y
Hawaii. university; Dept. of Agricultural Biochemistry
9153

Kawhse, S
Nagoya. university; Faculty of Agriculture
8781

Kearby, W H
Pennsylvania State Univ., University Park; Dept. of Entomology
8782

Keitt, G W
Mackinac Coll., Mich.
9200

Keppel, G E
U. S. food and Drug Administration, Cincinnati
9154

Khanna, S K
Hindustan Insecticides Ltd., New Delhi, India
9013

Kiauta, B
Utrecht. university; Institute of Genetics, Netherlands
8913

Kiesel, G K
Alabama Agricultural Experiment Station, Auburn; Dept. of Animal Health Research
9085

Kikuta, Y
Hokkaido Univ., Sapporo, Japan; Dept. of Botany
9201

King, W E
Union University; Dept. of Biology, Jackson, Tenn.
8783

Kirchberg, E
Koblenz, Viktoriastrasse 11-13, Germany
8784

Klaassen, C D
Iowa Univ., Iowa City; Dept. of Pharmacology
9174

Knerer, G
Toronto. university.; Dept. of Zoology
8785

Knowles, C O
Missouri. university; Dept. of Entomology
8786

Koenig, R
Braunschweig, Germany. Biologischen Bundesanstalt fur Land; und Forstwirtschaft.; Institut fur Virusserologie
8966

Kowalczyk, T
Wisconsin. University, Madison; Dept. of Veterinary Science
9086

Kozlov, M A
USSR Academy of Sciences, Leningrad; Inst. of Zoology
8645

Kralicek, M
Kyjov, Lidicka 1025, Czechoslovakia
8787

Kramer, J p
U. S. National Museum, Wash. (city)
8646

Kring, J B
Connecticut Agricultural Experiment Station
9175

Krishna, S S
Gorakhpur. university; Dept. of Zoology
8788

Krutch, J W
American Museum of Natural History, N. Y., N. Y.
8789

Kulaev, I S
Moscow State Univ., USSR
9202

Kumar, R
Ghana. university; Dept. of Zoology
8647

Kumar, S N S
Regional Arecanut Research Station, Hirehalli, Tumkur; District, India
8927

Laemmler, G
Justus Liebig Univ., Giessen, West Germany; Inst. fur Parasitologie und Parasitare Krankheiten der; Tiere
9127

Lafay, F
Faculte des Sciences, Orsay, France; Lab. de Biologie Experimentale
9088

Lai, P Y
Iowa State University, Ames; Dept. of Botany and Plant Pathology
8967

Lang, B Z
Eastern Wash. State Coll., Cheney; Dept. of Zoology
9131

Latchance, L E
U. S. dept. of Agriculture. agricultural Research Service; Metaholism and Radiation Research Laboratory, Fargo
8914

Lavette, A
Centre National de la Recherche Scientifique, Paris,; France; Lab. de Microscopie Electronique appliquee a la Biologie
8790

Le Grice, D S
Agricultural Research Station, England
8791

Lea, A O
Florida State Board of Health, Vero Beach; Entomological Research Center
8792

Lebeurier, G
Institut de Botanique, Strashourg, France; Lab. des Virus des Plantes
8968

Ledbetter, R J
Mississippi State University, State College
9032

Lester, E
National Agricultural Advisory Service, Reading, England
8969

Levengood, W C
Michigan Univ., Ann Arbor; Inst. of Science and Technology
8793

Levieux, J
Ecole Normale Superieure, Paris, France; Lab. de Zoologie
8794

Levinson, H Z
Jerusalem Univ., Beit Dagan, Israel; Insect Physiology Lab.
8795

Liebermann, J
Instituto Nacional de Tecnologia Agropecuaria; Inst. de Patologia Vegetal
8796

Linley, J R
Florida. state Board of Health; Entomological Research Center
8797

Liu, S K
New York City. Animal Medical Center; Dept. of Pathology
9132

Loan, C C
Canada. Dept. of Agriculture; Research Institute, Belleville, Ontario
8648

Loew, F M
Saskatchewan. University; Western College of Veterinary Medicine
9090

Lowe, A D
New Zealand. Dept. of Scientific and Industrial Research; Entomology Division, Lincoln
8798

Lowe, A D
New Zealand. Dept. of Scientific and Industrial Research; Entomology Division, Lincoln
8799

Lowe, R E
Purdue Univ., Lafayette, Ind.; Dept. of Entomology
8800

Lundgren, D L
Lovelace Foundation for Medical Education and Research,; Albuquerque. Dept. of Microbiology
9091

Mackerras, M J
Australia. commonwealth Scientific and Industrial Research; Organization; Division of Entomology, Canberra
8649

Mackerras, M J
Australia. commonwealth Scientific and Industrial Research; Organization,; Division of Canberra
8650

Majorana, G
Bari. Universita; Istituto di Patologia vegetale
8970

Mallick, B B
Indian Veterinary Research Inst., Izatnagar, Uttar Pradesh; Dept. of Poultry Diseases
9092

Manion, P D
State University College of Forestry, Syracuse, N. Y.; Dept. of Forest Botany and Pathology
8971

Manley, T R
Bloomsburg. state College; Dept. of Biology
8802

Mann, J D
Monsanto Co., St. Louis, Mo.; Agricultural Div.
9043

Mansmann, R A
California. university, Davis.; Large Animal Clinic
9093

Marinkovic, D
Belgrade Univ., Yugoslavia; Faculty of Science
8916

Marlin, J C
Illinois. natural History Survey
8803

Marsh, R E
California University, Davis; Dept. of Animal Physiology
9234

Martin, J C
West Virginia Univ., Morgantown
8804

Martoja, R
Centre National de la Recherche Scientifique, Paris,; France
8805

Matsui, M
University of Tokyo, Japan; Dept of Agricultural Chemistry
8806

Matsumura, F
Wisconsin Univ., Madison; Dept. of Entomology
9176

Matsunaka, S
National Inst. of Agricultural Science, Saitama, Japan
9235

Matta, J F
Florida. university; Dept. of Entomology and Nematology
8807

Matthee, F N
Fruit and Food Technology Research Institute, Stellenbosch
8972

Mattoo, R L
Lucknow. university; Dept. of Biochemistry
9044

Maxwell, C W
Canada. dept. of Agriculture, Research Station; Fredericton, New Brunswick
9014

Mayer, R J
Birmingham Univ., England; Dept. of Biochemistry
8808

McCafferty, W P
Utah Univ., Salt Lake City; Dept. of Zoology and Entomology
8651

McCully, K A
Canada. dept. of National Health and Welfare; Food and Drug Directorate, Ottawa
9236

McFarlane, J E
McGill Univ., Montreal, Quebec; Dept. of Entomology
8809

McKercher, D G
California. university, Davis.
9054

McKercher, D G
California. university, Davis.
9094

Meagher, R B
Taiwan Provincial Chung-Hsing Univ., Taichung
9204

Merrett, M J
Bradford Univ., England; Dept. of Biological Sciences
9205

Merz, W G
West Virginia University, Morgantown; Dept. of Plant Pathology and Bacteriology
8973

Metcalfe, J R
Commonwealth Institute of Entomology
8974

Meyer, A S
Case Western Reserve University, Cleveland, Ohio
8810

Michener, C D
Kansas. university; Dept. of Entomology
8653

Miller, G A
U. S. Food and Drug Administration, Seattle
9156

Miniats, O P
Guelph. University; Ontario Veterinary College
9095

Mircetich, S M
U. S. Dept. of Agriculture, Beltsville, Md.; U. S. Agricultural Research Service; Crops Research Division, Beltsville
8975

Moffitt, R A
Carnation Company, Van Nuys, California; Research Laboratories
9157

Mohamed, H A
Ain Shams Univ., Cairo, Egypt; Bathim Experiment Station
8976

Mohamed, H A
Ain Shams Univ., Cairo, Egypt; Bathim Experiment Station
8977

Montoure, J E
University of Idaho Moscow, Idaho; Dept. of Dairy Science
9137

Moon, K E
University of New South Wales, Australia; Dept. of Biochemistry
9133

Moore, B P
Australia. commonwealth Scientific and Industrial Research; Organization; Division of Entomology, Canberra
8654

Morse, R A
American Museum of Natural History, N. Y., N. Y.
8811

Moser, J C
American Museum of Natural History, N. Y., N. Y.
8812

Moursi, M A
Ain Shams Univ., Cairo, Egypt; Faculty of Agriculture
9045

Mukai, J
Kyushu University, Fukuoka, Japan; Laboratory of Crop Science; Agricultural Chemistry Institute
8813

Munakata, K
Nagoya Univ., Japan; Faculty of Agriculture
9237

Murphy, S D
Harvard Univ., Boston, Mass.; Dept. of Physiology
9177

Muus, J
University Coll. of Rhodesia, Salishury, Rhodesia; Dept. of Chemistry
8815

Myers, W F
Maryland Univ., Baltimore; Dept. of Microbiology
9097

Nakata, K
Wisconsin Univ., Madison; Dept. of Plant Pathology
9206

Nanda, K K
Panjah Univ., Chandigarh-14, India; Botany Dept.
9207

Narahashi, T
Duke Univ., Durham, N. C.; Dept. of Physiology and Pharmacology
9178

Naumova, I B
Moscow State Univ., USSR; Biological Faculty
9238

Neff, S E
Virginia. polyteehnic Institute; Dept. of Biology
8817

Neilson, M M
Canada Dept. of Forestry and Rural Development, Frederic; Ton, New Brunswick; Forest Research Lah.
8818

Neri, I
Instituto Superiore di Sanita, Rome, Italy; Lah. di Parassitologia
8819

Niki, R
Hokkaido Univ., Sapporo, Japan; Milk Science Inst.
9138

Nitsch, J P
Centre National de la Recherche Scientifique,; Gif-sur-Yvette, France; Lab. for Multicellular Physiology
9208

Noble-Neshitt, J
East Anglia. university; School of Biological Sciences
8820

Nordin, G L
Illinois Natural History Survey, Urbana
9016

Nordlander, R H
Case Western Reserve University; Developmental Biology Center
8821

Nuorteva, M
Helsinki Univ., Finland; Agricultural and Forest-Zoological Inst.
8822

Nuorteva, M
Helsinki Univ., Finland; Inst. of Agricultural and Forest Zoology
8823

Nutting, W L
Arizona. university; Dept. of Entomology
8824

Oatman, E R
California. university; Dept. of Biological Control
9017

Onley, J E
U. S. food and Drug Administration; Division of Pesticides, Wash. (city)
9239

Onley, J H
U. S. food and Drug Administration; Division of Pesticides, Wash. (city)
9240

Ordish, R G
Dominion Museum, Wellington, New Zealand
8825

Pachauri, S P
Uttar Pradesh. College of Veterinary Science and Animal; Husbandry. Dept. of Medicine
9098

Padilla, R C
Secretaria de Agricultura y Ganaderia, Mexico
9018

Painter, R H
Kansas. state University
8655

Palka, J
Rice University; Dept. of Biology, Houston, Tex.
8826

Parnas, I
Hebrew University; Dept. of Zoology, Jerusalem
8827

Patel, N G
Case Western Reserve Univ., Cleveland, Ohio; Developmental Biology Center
8828

Patel, S
Bhabha Atomic Research Centre, Bombay, India; Health Physics Div.
8829

Pendergrast, J G
Auckland. University
8656

Pendleton, I R
Glasgow. university; Dept. of Microbiology, Scotland
8830

Pendleton, I R
Glasgow. university; Dept. of Microbiology
8831

Peters, E J
Agricultural Research Service, Columbia, Mo.; Crops Research Div.
9210

Petrishcheva, P A
USSR Academy of Medical Sciences, Moscow; N. F. Gamaleya Inst. of Epidemiology and Microbiology
8657

Pillai, M K K
Delhi Univ., India; Dept. of Zoology
8833

Pinhey, E
National Museum, Bulawayo, Rhodesia
8659

Pinhey, E
National Museum, Bulawayo, Rhodesia
8834

Plus, N
Centre National de la Recherche Scientifique,; Saint-Christol-les-Ales, France; Station de Recherches cytopathologiques
8835

Pool, J G
Stanford University School of Medicine, Palo Alto, Californ
9179

Porter, D D
Baylor Univ., Houston, Tex.; Dept. of Virology and Epidemiology
9099

Porter, M L
U. S. food and Drug Administration; Division of Food Chemistry and Technology, Wash. (city)
9158

Powders, V N
Georgia Southwestern Coll., Americus
8660

Prasad, V
Wayne State University.; Biology Dept
8836

Pratt, S A
New Mexico. University. School of Medicine; Dept. of Anatomy
8837

Priehraony, S
Slowakischen Akademie der Wissenschaften, Bratislava; Botanisches Inst.
8979

Qureshi, A H
Government College, Peshawar, Pakistan
8838

Rachesky, S
Illinois University, Chicago; Cooperative Extension Service
8839

Rao, S B V
Indian Veterinary Research Inst., Izatnagar, Uttar Pradesh; Div. of Pathology
9103

Rao, S B V
Indian Veterinary Research Inst., Izatnagar, Uttar Pradesh; Div. of Pathology
9104

Rao, S B V
Indian Veterinary Research Inst., Izatnagar, Uttar Pradesh; Div. of Pathology
9105

Raskin, J P
V. C. L., S. V. Hesbania, S-Trond., Belgium
9139

Raygorodskaya, I A
USSR Academy of Sciences, Irkutsk; East Siberian Biological Inst.
9019

Reid, W M
Georgia. University; Dept. of Poultry Science
9106

Rice, R E
California. university; Dept. of Entomology
8841

Richards, A M
New South Wales. university; School of Zoology
8662

Richards, O W
Ealing, 89 St. Stephens Road, England
8663

Riek, E F
Australia. commonwealth Scientific and Industrial Research; Organization; Division of Entomology, Canberra
8664

Riemann, J G
U. S. dept. of Agriculture. agricultural Research Service; Entomology Research Division; Metabolism and Radiation Research Laboratory, Fargo
8842

Roberts, R H
U. S. dept. of Agriculture. agricultural Research Service; Entomology Research Division, Stoneville, Miss.
9107

Roby, T O
U. S. Dept. of Agriculture, Beltsville, Md.; Agricultural Research Service; Animal Disease and Parasite Research Division; Beltsville Parasitological Laboratory
9134

Root, R B
Cornell University; Dept. of Entomology and Limnology
9020

Roshorough, T
College of Technology, Belfast, Northern Ireland
9021

Ross, D B
Farm Livestock Research Centre, Stock Essex
9135

Ross, J G
Great Britain. veterinary Research Laboratories, Stormont.
9108

Rossetti, V
Instituto Biologico, Sao Paulo, Brazil
8981

Roth, F K
New York State University.; Dept. of Microbiology
9109

Rothschild, M
American Museum of Natural History, N. Y., N. Y.
8843

Ruhcov, I A
Academy of Sciences, Moscow, USSR; Zoological Inst.
8844

Rweyemamu, M M
Tanzania. the Central Veterinary Laboratory, Temeke.
9110

Ryan, S O
Iowa. state University; Dept. of Zoology and Entomology
8665

Ryan, S O
Iowa. state University; Dept. of Zoology and Entomology
8666

Sahni, M L
Indian Agricultural Research Institute, New Delhi; Division of Mycology and Plant Pathology
9241

Saito, T
Nagoya Univ., Japan; Lab. of Applied Entomology and Nematology
8845

Samsinakova, A
Czechoslovak Academy Of Sciences; Dept. of Insect Pathology, Prague
8846

Sautet, J
Marseille Univ., France; Faculte de Medecine
8847

Schaefer, K F
Panhandle A. M. Coll., Goodwell, Tex.
8667

Schaefer, K F
Panhandle State Coll., Goodwell, Okla.
8668

Schaefer, K F
Panhandle A. M. Coll., Goodwell, Tex.
8669

Schmid, F
Institut de la Recherche entomologique, Ottawa, Ontario
8670

Schulz, F A
Institut fur Phytopathologie, Kiel, Germany
8983

Schutzmann, R L
U. S. dept. of Agriculture. agricultural Research Service; Plant Pest Control Division, Gulfport, Miss.
9159

Scecof, R L
Duarte, California. City of Hope Medical Center; Dept. of Biology
8852

Seligman, M
Commonwealth Scientific and Industrial Research; Organization, Canherra, Australia; Div. of Entomology
8853

Shaddy, J H
Oklahoma State Univ., Stillwater
8671

Shah, K V
Johns Hopkins Univ., Baltimore, Md.; Dept. of Pathobiology
8854

Shane, S M
Cornell University, Ithaca, New York
9111

Shepard, J F
Montana State University; Dept. of Botany and Microhiology
8984

Shipton, P J
National Agricultural Advisory Service, Reading, England
8985

Shipton, P J
National Agricultural Advisory Service, Reading, England
8986

Shoemaker, J P
Marshall Univ., Huntington, W. Va.; Dept. of Biological Sciences
9128

Shotts, E B
Georgia Univ., Athens; Dept. of Pathology and Parasitology
9113

Simmons, J A
O M Scott and Sons Company, Marysville, Ohio
9211

Simmons, J H
Lahoratory of the Government House, England
9161

Singh, R S
U. P. Agricultural University, Pantnagar, Naini Tal, India
8987

Skehel, J J
Aberdeen. university. marischal College; Dept. of Biological Chemistry, Scotland
9114

Skelly, J M
Virginia. polytechnic Institute; Dept. of Plant Pathology and Physiology
8855

Slifer, E H
Philadelphia, Pa. Academy of Natural Sciences
8856

Slykhuis, J T
Canada. dept. of Agriculture; Virology Section
8988

Smiley, J H
Kentucky Univ., Lexington; Kentucky Agricultural Experimens Station
8989

Smiley, R L
U. S. Agricultural Research Service.; Systematic Entomology Lahoratory
8672

Smith, A G
New Zealand. Dept. of Scientific and Industrial Research; Plant Diseases Division, Auckland
8857

Smith, D R
U. S. Agricultural Research Service.; Systematic Entomology Laboratory
8673

Smith, H R
Georgia. university; Entomology Department
8858

Smith, K
Massachusettes. a.r.c. Institute for Research and Animal; Diseases, Compton, Berkshire.
9115

Smith, S D
Central Washington. state College; Dept. of Biological Sciences
8674

Snelling, R R
Los Angeles County Museum of Natural History
8675

Snetsinger, R
The Pennsylvania State University; Dept. of Entomology
8859

Sohers, E K
Georgia. university; College of Agriculture Experiment Station, Tifton
8990

Spek, J van der
Institute of Phytopathological Research (IPO), Wageningen,; Netherlands
8929

Spence, L
Trinidad Regional Virus Lab., Port-of-Spain, Trinidad and; Tobago
9117

Spiess, E B
Illinois Univ., Chicago; Dept. of Biological Sciences
8860

Spira, M E
Hebrew University; Dept. of Zoology, Jerusalem
8861

Spira, M E
Hebrew University; Dept. of Zoology, Jerusalem
8862

Sprague, V
Maryland Univ., Solomons, Md.; Chesapeake biological Lab.
9118

Springer, S D
Essex County College, N. J.; Division of Natural and Applied Science
8863

Srihongse, S
Gorgas Memorial Laboratory, Panama
9119

Stallnecht, G F
Minnesota University, St. Paul; Dept. of Plant Pathology
8991

Stavraki-Pavlopoulou, H
Institut Phytopathologique Benaki, Athens, Greece; Lab. de l'Olivier
8864

Stavrakis, G
Institut Phytopathologique Benaki, Athens, Greece; Lab. d'etude de la Resistance des Plantes aux Insectes
8865

Steinhaus, E A
California. university; Center for Pathobiology, Irvine
8866

Stewart, P A
U. S. Dept. of Agriculture, Oxford, North Carolina; Entomology Research Division; Agricultural Research Service
9023

Steyskal, G C
U. S. National Museum, Wash., D. C.
8678

Steyskal, G C
National Museum, Washington, D. C. 20560
8867

Stihick, J N L
N. Rockingham St., Arlington, Va
8868

Stiller, J
Martinelli ter III, Budapest, Hungary
8869

Stimmann, M W
U. S. dept. of Agriculture. agricultural Research Service; Entomology Research Division, Riverside, Calif.
8870

Storch, R H
Maine. University; Dept. of Entomology
8871

Storherr, R W
U. S. food and Drug Administration; Division of Pesticides, Wash. (city)
9162

Storherr, R W
U. S. food and Drug Administration; Division of Food Chemistry and Technology, Wash. (city)
9243

Stouffer, R F
The Pennsylvania State University; Fruit Research Laboratory
8992

Strobel, G A
Montana State Univ., Bozeman; Dept. of Botany and Microbiology
9180

Stussi, C
Strasbourg. Universite; Institut De Botanique; Laboratoire des Virus des Plantes
8993

Sublette, J E
Eastern N. Mex. Univ., Portales
8872

Sumaroka, A F
All-Union Inst. of Plant Protection (VIZR), Leningrad,; USSR
8873

Suwanai, M
Tokyo Univ. of Agriculture and Technology, Japan
8874

Sylvester, E S
California Univ., Berkeley; Div. of Entomology
9024

Synave, H
Institut Royal des Sciences Naturelles de Belgique
8679

Takahashi, M
Hokkaido Univ., Sapporo, Japan; Plant Breeding Inst.
8930

Takahashi, M
Hokkaido Univ., Sapporo, Japan; Plant Breeding Inst.
8931

Takahashi, Y
Toronto. university.; Dept. of Botany
8876

Tamarina, N A
Lomomosov Univ., Moscow, USSR; Dept. of Soil Biology
8877

Tamura, S
University of Tokyo, Japan; Dept. of Agricultural Chemistry
8878

Tandan, B K
Lucknow, India. University.; Dept. of Zoology
8680

Taylor, R L
California. university; Center for Pathobiology, Irvine
8880

Tazieff-Depierre, F
Institut Pasteur, Paris, France; Lab. de Pharmacologie
9181

Teakle, D S
Queensland Univ. Medical School, Herston, Australia; Dept. of Microbiology
8994

Thihaud, J M
Centre National de la Recherche Scientifique, Moulis,; France; Lab. Souterrain
8881

Thompson, F C
Massachusetts. University, Amherst.; Dept. of Entomology
8682

Thompson, J N
Oklahoma City, 3257 Nesbitt Ave.
8918

Thrasher, J J
U. S. food and Drug Administration; Division of Microbiology, Wash. (city)
9142

Thut, R N
Weyerhaeuser Co.; Research Dept, Longview, Wash.
8882

Tojo, S
National Inst. of Agricultural Sciences, Nishigahara,; Kitaku, Tokyo, Japan; Div. of Plant Pathology and Entomology
8883

Tomizawa, C
National Institute of Agricultural Sciences
8884

Torossian, C
Faculte des Sciences, Toulouse, France; Lab. d'Entomologie
8885

Tseng, T
Academica Sinica, Nankang, Taipei, Taiwan, China; Institute of Botany
8995

Tsutsumi, Y
Hokkaido Univ., Sapporo, Japan; Dept. of Animal Science
9055

Tsutsumi, Y
Hokkaido Univ., Sapporo, Japan; Dept. of Animal Science
9056

Tugwell, P
Arkansas Univ., Fayetteville
8886

Turcek, F J
Slovak Academy of Sciences, Banska Stiavnica; Inst. of Landscape Biology
8887

Uhmann, E
Erzgebirge, 915, Stollberg, West Germany
8683

Ulrich, V
West Virginia Univ., Morgantown; Dept. of Agronomy and Genetics
8996

Urvoy, J
Faculte des Sciences, Rennes, France
8888

Vail, P V
U. S. dept. of Agriculture. agricultural Research Service; Entomology Research Division, Riverside, Calif.
8889

Valdovinos, J G
Wayne State Univ., Detroit, Mich.; Dept. of Biology
8997

Valli, V E O
Guelph. University. Ontario Veterinary College.; Dept. of Pathology
9183

Van Dreumel, A A
Guelph. University; Ontario Veterinary College; Dept. of Pathology
9120

Van Pelt, R W
Michigan State University.; Dept. of Pathology
9121

Vance, B D
North Texas State University, Denton; Dept. of Biology
9048

Vander Beek, L C
Western Mich. Univ., Kalamazoo; Dept. of Biology
9213

Vandermeer, J W
Canada. entomology Research Institute; Central Experimental Farm, Ottawa
8890

Vieuchange, J
Institut Pasteur, Paris France
9122

Vogel, E
Louisiana. state University; Dept. of Entomology
8891

Vogel, E
Louisiana State Univ., Baton Rouge 70803; Dept. of Entomology
9049

Vuillaume, M
Centre National de la Recherche Scientifique,; Gif-sur-Yvette, France; Inst. de Chimie des Substances Naturelles
8892

Wagner, E
Hamburg, Mooreye 103, Germany
8685

Wagner, R R
Virginia. University. school of Medicine; Dept. of Microbiology
9123

Walker, P T
Colonial Pesticides Research Unit, Arusha, Tanganyika
8893

Walker, T J
Florida. university; Dept. of Entomology and Nematology
8686

Wang, C M
Wisconsin Univ., Madison; Dept. of Entomology
8894

Waterworth, H E
U. S. Dept. of Agriculture, Glen Dale, Md.; U. S. Plant Introduction Station
8998

Watts, R R
U. S. food and Drug Administration; Division of Pesticides, Wash. (city)
9163

Watts, R R
U. S. food and Drug Administration; Division of Pesticides, Wash. (city)
9244

Webb, D W
Illinois. natural History Survey
8687

Weiner, B A
U. S. dept. of Agriculture. agricultural Research Service; Northern Regional Research Laboratory, Peoria
8895

Weiser, J
Academy of Sciences, Prague, Czechoslovakia; Dept. of Insect Pathology
8896

Wellso, S G
U. S. dept. of Agriculture. agricultural Research Service; Entomology Research Division, East Lansing
8897

Wessel, J R
U. S. food and Drug Administration, Cincinnati
9164

Wetzel, T
Karl-Marx-Univ., Leipzig, East Germany; Inst. fur Phytopathologie
9033

Wiles, M
Saint Mary's Univ., Halifax, Nova Scotia, Canada; Dept. of Biology
9136

Willcox, H H
Syracuse. university Research Corporation; Life Sciences Division
8898

Williams, M W
Veterans Administration Hospital, Tucson
8899

Williams, R W
Columbia University; School of Public Health and Administrative Medicine
8900

Wills, W H
Virginia Polytechnic Institute, Blacksburg; Dept. of Plant Pathology and Physiology
8999

Wilson, C L
Arkansas Univ., Fayetteville; Dept. of Plant Pathology
9000

Wilson, E O
Harvard Univ., Cambridge, Mass.; Biological Lahs.
8901

Winston, P W
Colorado. university; Dept. of Biology
8902

Witt, J M
University of Arizona; Department of Entomology and Dairy Science
9165

Witter, J A
Minnesota. university; Dept. of Entomology, Fisheries, and Wildlife
8903

Wojcik, D P
Florida. university; Dept. of Entomology and Nematology
8904

Woodwell, G M
Brookhaven National Laboratory, Upton, New York; Biology Dept.
9145

Wooldridge, C R
North Wales, 810 E. Prospect Ave., Pa.
8905

Wurster, C F
New York State University, Stony Brook; Dept. of Biological Sciences
9166

Yamamoto, I
Tokyo Univ., Japan; Dept. of Agricultural Chemistry
8906

Yanagishima, N
Osaka City Univ., Japan; Lab. of Cell Biology
9214

Yelizarov, Yu A
Lomonosov State Univ., Moscow, USSR; Soil Biology Faculty
8907

Yip, G
U. S. food and Drug Administration; Division of Food Chemistry and Technology, Wash. (city)
9245

Young, R M
Bishop (Bernice P.) Museum; Dept. of Entomology, Honolulu 8908

Zack, R E
Missouri. university; Dept. of Entomology 8689

Zimmermann, W J
Iowa State University, Ames 9124

Zuckerman, B M
Massachusetts Univ. Cranberry Experiment Station, East Ware; Ham 9001

Zueig, G
Syracuse Univ., N. Y.; Lifes Sciences Div. 9215

Ahhruzzese, L 9216
Abd El-Gawad, A A 9045
Abd-el-Malek, Y 8933
Abid, M K 8692
Adansi, M A 9185
Afifi, N M 8933
Agee, H.r 8693
Aitken, T H 9117
Aitken, T H G 8617
Akune, S 8813
Al-Alily, H 9075
Alabaster, J S 9167
Aldhous, J R 9034
Aldigheri, J 8847
Alexander, H D 9085
Alexander, M 9179
Allen, D W 9057
Allen, G E 8694
Allen, W S 9191
Amerault, T E 9134
Amman, G D 8903
Anderson, C R 9117
Anderson, J B 9065
Anderson, J F 8695
Anderson, R D 8618
Ando, S 8931
Andreassen, J 9130
Andrewes, C H 9058
Anonymus, 8697 8698, 9052, 9146
Appleby, J E 9016
Arima, S 9138
Arurkar, S K 8786
Ashour, W A A 8934
Ashour, W E 8976 8977
Ashrafi, S H 8699
Ashworth, L J 8935
Askew, J 9147
Aslamkhan, M 8909
Atwood, H L 8700
Avizohar-Hershenzon, 8936
Axtell, R C 9168
Bagchi, B N 9241
Baggiolini, M 9002
Bain, O 8701
Baker, R H 8909
Banerjee, S N 8702
Barash, I 8937
Barber, M S 9036
Barbier, M 8892
Barbier, R 8703
Barr, T C 8704
Barrett, C C 8726
Barthel, W F 9159
Basile, R 8705
Basler, E 9187
Basu, S D 9025
Batcheler, C L 8706
Bateman, D F 8983 8995
Bates, J D 8832
Bazzi, B 9216
Beament, J W L 8902
Beckman, H 9148 9153
Beeson, W M 9059
Behin, R 8854
Bell, H L 8707
Bendixen, L E 9037
Benoit, G R 8949
Benson, W R 9217
Berger, R S 9184
Bergmann, F 8827 8861, 8862
Bessonova, I V 8708
Beulig, M L 8709
Bevenue, A 9153
Bhalla, N P 9112
Bieber, L L 9060
Bigland, C H 9061
Binns, W 9080
Bird, F T 8710
Bissell, T L 8711
Blake, D H 8619
Blaneo, J F 9072
Blevins, D I 9062
Bliss, M 8782
Blondheim, S A 8712
Bodnaryk, R P 8713 8714
Boistel, J 8723
Borg, T K 8715
Bornstein, J 8949
Boroski, R A 9120
Bossert, W H 8901
Bouek, G B 9188
Boulanger, L W 8716
Boulard, M 8717
Bovey, R W 9189
Bowen, H D 9246
Bowers, A 9063
Boycott, B R 9120
Bozarth, R F 8938
Brady, J G 8875
Branson, T.e 8718
Bray, D F 9182
Brewer, R N 9106
Briekey, P M 9141 9142
Britton, M P 8957
Broad, D R 9036
Brodasky, T F 9062
Brookes, V J 8719
Brooks, G 9085
Brown, B M 8720
Brown, C M 8935
Brown, W H 9165
Brownlie, L E 9064
Bryan, D E 8775
Bryant, J E 9065
Buddenhagen, I W 8924
Bullard, A T 8721
Burch, H A 9218
Burchill, R T 9140
Burke, D C 9114
Burke, J A 8976 9219
Burns, E C 8886
Burrell, R G 8973
Butler, G D 8775
Byass, J B 8722
Calafat, J 9066
Callec, J 8723
Calvert, C C 9053
Cameron, R S 8776
Canapati, P N 8724
Candy, D J 8808
Caracalli, N 8691
Carb, A V 9067
Casida, J E 9169
Caswell, R L 9220
Chabaud, M A 9122
Chadwick, J S 8725
Chamberlain, W F 8726
Chambers, D L 8727
Chamhon, J-P 8728
Chang, K 9138
Chaput, R L 8729
Chatterjee, S K 9190
Chattopadhyay, S K 9092
Chee, K H 8939
Cherry, L M 8730
Chiko, A W 8940
Choudhary, P G 9087
Choudhuri, M A 9190
Choudhury, R 9212
Christy, J E 9113
Chu, Y I 9003
Cladítsch, S 8620
Clapper, W E 9091
Clark, A M 8910
Clarke, W J 9078
Cochran, D G 8731
Coetzee, V 9026
Colless, D H 8626
Collins, H L 8732
Collins, J C 9107
Colwill, R J 9070
Combs, R L 8770
Conley, J 9043
Connola, D P 9004
Converse, R H 8941
Cook, B J 8733
Cooksey, K E 8734
Coppel, H C 8648
Cormaek, P B 8925
Corradini, V 8691
Couch, J R 9191
Coulson, R N 8748
Coup, M R 9096
Crampton, M J 8942
Crane, G L 8991
Creger, C R 9191
Creighton, W S 8735
Cronan, J E 9068
Croshy, D G 9221
Crumpacker, D W 8916
Cumber, R A 9005
Cummins, G B 8955
Cunningham, R T 8816
Cupp, E W 8736
Curi, J 9027 9028
Czajka, M 9181
Da Cunha, A B 8911
Daines, R H 8972
Dale, P S 8737
Dale, W E 9149
Damrauer, R 8793
Danielson, L L 9038
Darst, P H 8738
Daum, R J 8739
Davich, T B 8739
Davies, J B 8919
Davis, D W 8740
Davis, G R F 8741
Davis, J J 8621 8622
Davis, J R 8943
Dawkins, C C 8768
Dawson, J H 9039
De Boer, J A 8623 8742
de Pietri-Tonelli, P 8691
de Toulgoet, H 8616
De Wilde, J 8742
Dean, R W 9006
Deeb, S 9075
Dekker, J 8944
Del Villar, E 8743
Delfinado, M D 8624
DeLoach, H K 9222
Delobel, B 8744
DeLons, D M 8646
Derbyshire, J B 9070
Derse, P H 8849
DeVay, J E 9204
Devine, J M 9143
Dew, D A 9041
Diaz-Colon, J D 9189
Dieckmann, L 8625
Dietrich, H J 9040
Dijkstra, J 8945
DiSanzo, C P 9029
Donninger, C 8734
Dougherty, E M 8745
Dougherty, R M 9109
Douglas, M H 9051
Downs, W G 9117
Drew, W A 8660 8667, 8668, 8671
Drummond, R O 9126
Du Merle, P 8746
Duggan, R E 9150 9151
Dunleavy, J M 8967
Dunlop, R H 9090
Durham, W F 9170
Duthoit, J L 8835
Dwivedi, M P 8747
Dye, M H 8946
Ebing, W 9223
Edney, K L 9140
Edward, D H D 8626
Edwards, J 9063
Edwards, J S 8821
Egan, H 9224
Ehrlich, F T 8748
Eisner, T 8749
El-Din, I F G 8934
El-Din, I G 8947
El-Gamassy, A M 8947
Elgee, D E 8818
Elliott, M 9192
Engelmann, F 8750
English, H 8943
Erro, F 9153
Evans, D E 8751
Evans, H E 8627
Evans, R A 9062
Evenhuis, H H 8752
Evers, A M J 8628
Exley, E M 8629
Eyles, A C 8630
Fagel, G 8631
Fain, A 8617
Falk, H L 9171
Farias, G J 8816
Fathi, S M 8976 8977
Fatt, H V 9030
Faust, R M 8745
Fawkes, J 9171
Ferguson, G R 9225
Filshie, B K 8760
Finch, J T 8948
First, N L 9074
Fishhein, L 9171 9226
Fisher, K D 8949
Flamand, A 9071
Fleschner, C A 8838
Flowers, R A 8989
Fogle, H W 8975
Forrest, R G 9072
Foster, B G 9072
Fowler, B O 9073
Fowler, H W 8736
Fox, R C 8721 8783
Fraenkel, G 8853
Franklin, R T 8748
Frazier, N W 9007
Frazier, P O 9073
Freckleton, W C 8880
Fremling, C R 8753
French, D W 8971
French, J R J 8632
Frenhani, A A 8950
Friedhoff, K 8754
Friedman, S 8853
Friesen, H A 9041
Fukuda, S 8755
Fuzeau-Braesch, S 8756
Fytizas-Danielidou, R 9172
Fytizas, E 8757
Gajan, R 9158
Galhiati, F 8921
Gallegly, M E 8973
Galluzzi, G 9216
Galston, A W 9188
Garber, D 9148
Garbers, D L 9074
Garrido, M C 8911
Garza, M 9009
Gast, R T 8739
Gentner, W A 9038
Gerolt, P 8758
Ghannam, S 9075
Gharagozlou, I D 8759
Gibbs, D F 8769
Gilmer, R M 8998
Gindrat, D 8951
Gingh, R P 9241
Giuffrida, L 9227
Gladney, W J 9126
Glenn, M W 9062
Gochnauer, T A 8890
Golhach, R 8633
Goodwin, R H 8760
Goonewardene, H F 8761
Gould, A B 8910
Gouranton, J 8762 8763
Graham, O 8726
Grasso, A 8764
Grau, F H 9064
Greene, G L 8952
Greenwood, J M F 8939
Greet, D N 9193
Grell, E H 8915
Grente, J 8953
Grob, H 9002
Guerrant, G O 9228
Guilhault, G G 9229
Gunning, B F 8899
Guthrie, J W 8940
Hachinohe, Y 9055 9056
Haedo Rossi, J A 8634
Hageman, P 9066
Haglund, W A 8954
Hall, I M 8773 8774, 8889
Hamdi, Y A 8933
Hamdy, A H 9062
Hansen, A J 8982

Hanson, J B 9194
Hanzmann, E 8810
Happ, G M 8765
Harding, J A 9008
Hardy, D E 8635
Hare, W W 9246
Harman, D M 8766
Harrell, E A 9246
Harries, W N 9076
Harris, C R 8767
Harris, W V 8636
Hart, W G 9009
Hawkins, J 9173
Hayashi, M 9176
Hayward, K J 8637, 8638, 8639
Hegde, K S 9106
Hemphill, D D 9222
Hennen, J F 8955
Henry, E W 8997
Hensley, S D 9015
Henson, J B 9077
Herregods, M 9139
Herzog, H 9127
Hess, W M 9180
Heywood, B J 9036
Hightower, B G 8768
Hildebrandt, A C 9206
Hildreth, P E 8912
Himel, C M 9230, 9231
Hinton, H E 8769
Hipps, P 8733
Hirai, A 8956
Hirth, L 8968, 8993
Hodges, C F 8957
Hodges, E R 8624
Hodges, R W 8640
Hoelscher, C E 8770
Hoffman, J A 8771
Holmen, R E 9232
Holmes, R L 9195
Holtzmann, O V 9031
Hopkins, A R 8772
Horn, W G 8958
Horsfall, J G 8959
Howard, E B 9078
Hoxie, R P 8897
Hoyt, S C 9010
Hrabetova, E 8846
Hubbard, E D 9124
Huey, R 9211
Hunt, L B 9152
Hunter, D K 8773, 8774
Ignoffo, C M 8694
Imamura, S 8878
Ingle, S 9009
Inouye, J 8813
Irvin, A D 9079
Isaacson, P A 9145
Ishida, M 8960
Ishiyama, T 8961
Ismail, T S 9045
Ives, N F 9227
Ivy, H W 9196
Jacklin, S W 8858
Jackson, C G 8775
Jacobs, W P 9197
James, L F 9080
James, M T 8641
James, W 8772
Janes, N F 9192
Jannke, C C 9078
Janssen, W A 9081
Janzen, D H 8709
Jensen, S G 8962
John, H 8642
Johnson, J 9106
Johnson, L Y 9233
Johnson, N E 8776
Johnson, R H 9110
Johnson, R W 9082
Johnston, H S 8700
Joiner, R L 8777
Jojima, T 9042, 9047
Jorgensen, C D 9011
Joy, S J 9128
Kado, M 8963
Kakoty, N N 8778
Kalavati, C 8724
Kamisaka, S 9198
Kamp, H J 8643
Kamran, M A 9012
Kang, C Y 9083
Kaper, J M 8964
Kapoor, K N 9103
Karabanov, I A 9199
Karabinos, J V 9040
Kashin, P 8779
Katsanos, R A 8965
Kaufmann, T 8780
Kaur, P 9207
Kawano, Y 9153
Kawhse, S 8781
Kearhy, W H 8782, 8855
Keeler, R F 9080
Keeley, L L 8801
Keitt, G W 9200
Kendall, S B 9084
Keppel, G E 9154
Kerswill, G J 9144
Khan, N A 9102
Khanna, S K 9013
Kiauta, B 8913
Kiesel, G K 9085
Kikuta, Y 9201
King, E W 8738
King, G G 9040
King, W E 8783
Kinoshita, T 8930, 8931
Kirchherg, E 8784
Kirk, J K 9155
Kitahara, T 8806
Klaassen, C D 9174
Klein, L 8937
Klein, M G 8648
Kloek, G P 8753
Knerer, G 8785
Knowles, C O 8786
Kodama, T 8883
Koenig, R 8966
Korge, H 8644
Kowalczyk, T 9086
Kowalski, L M 9106
Kozlov, M A 8645
Kralicek, M 8787
Kramer, J p 8646
Kring, J B 9175
Krishna, S S 8788
Krishnan, P S 9044
Kruteh, J W 8789
Kulaev, I S 9202
Kulkarni, M P 9087
Kulkarni, V B 9087
Kulman, H M 8766
Kumar, P 8680
Kumar, R 8647
Kumar, S N S 8927
Kumar, S S 9060
Kusube, T 9204
Kuwahara, M 9237
Kwolek, W F 8895
Laemmler, G 9127
Lafay, F 9088
Lai, P Y 8967
Lamhremont, E N 8777
Lang, B Z 9131
Larsen, A E 9099
Lasea, C C 8981
Latchance, L E 8914
Lavette, A 8790
Laviolette, P 8744
Le Grice, D S 8791
Lea, A O 8792
Leheurier, G 8968, 8993
Ledhetter, R J 9032
Lehnert, R 8928, 9089
Lester, E 8969
Levenbook, L 8713
Levengood, W C 8793
Leverich, A P 8914
Levieux, J 8794
Levinson, H Z 8795
Lewis, J M 9140
Liebermann, J 8796
Liles, J N 8729
Lindsley, D L 8915
Lingren, P D 8840
Linley, J R 8797
Lister, R M 8941
Liu, S K 9067, 9132
Lloyd, B J 9118
Loan, C C 8648
Loew, F M 9090
Lowagie, C 9181
Lowe, A D 8798, 8799
Lowe, R E 8800, 8807
Lucchi, F 8921
Lukens, R J 8959
Lundgren, D L 9091
Lutwak, L 9111
Lyalin, G N 9209
MacFarlane, J J 8801
MacKay, P 8785
Mackerras, M J 8649, 8650
Madhukar, B V R 8833
Maillet, P L 8763
Maire, R G 9203
Majorana, G 8970
Majori, G 8764
Mallick, B B 9092
Manglitz, G R 8848
Manion, P D 8971
Manley, T R 8802
Mann, J D 9043
Mansmann, J A 9093
Mansmann, R A 9093
Marinkovic, D 8916
Marlin, J C 8803
Marsh, R E 9234
Martin, J C 8804
Martin, R D 9053
Martoja, R 8805
Masuda, Y 9198
Matsui, M 8806
Matsumura, F 9176
Matsunaka, S 9235
Matta, J F 8807
Matthee, F N 8972
Mattoo, R L 9044
Maxwell, C W 9014
Mayer, R J 8808
McCafferty, W P 8651
McCarter, A 9183
McCrory, H F 9107
McCully, K A 9236
McFarlane, J E 8809
McKay, J E 8761
McKercher, D G 9054, 9094
McMeans, J L 8935
McSherry, B J 9183
Meagher, R B 9204
Menke, A S 8652
Merrett, M J 9205
Merz, W G 8973
Metealfe, J R 8974
Meyer, A S 8810
Meyer, G F 8917
Michener, C D 8653
Miles, J W 9228
Miller, D E 9160
Miller, G A 9156
Miller, M C 9160
Miniats, O P 9095
Mircetich, S M 8975
Mitchell, T H 9147
Miyajima, S 8781
Moffitt, R A 9157
Mohamed, H A 8976, 8977
Moharram, A A 8933
Montoure, J E 9137
Moon, K E 9133
Moore, B P 8654
Moore, L D 8999
Moreau, J P 9195
Moreno, D S 8841
Morgan, N O 9053
Morgante, J S 8911
Morrison, P E 8714
Morse, R A 8811
Moser, J C 8812
Mosnaim, D 8743
Moursi, M A 9045
Moxham, J W 9096
Mukai, J 8813
Mukerjea, T D 8814
Muldoon, P J 9137
Munakata, K 9237
Murphy, S D 9177
Muus, J 8815
Myer, A 8978
Myers, W F 9097
Naidu, G V B 8927
Nakagawa, S 8816
Nakata, K 9206
Namekata, T 8981
Nanda, K K 9207
Naqvi, S N H 8699
Narahashi, T 9178
Nasir, A S 8909
Naumova, I B 9238
Navon, A 8795
Neff, S E 8817
Negm, A A 9015
Neilson, M M 8818
Nelson, D R 8733
Neri, I 8819
Niki, R 9138
Nitsch, J P 9208
Noble-Nesbitt, J 8820
Nohle, E P 8720
Nordin, G L 9016
Nordlander, R H 8821
Norris, D. M. 8715
Norris, J R 8734
Norrish, J G 9095
Novak, A F 9195
Nuorteva, M 8822, 8823
Nuorteva, P 8823
Nutting, W L 8824
O'Connell, T B 8727
O'Reilly, R A 9179
Oatman, E R 8838, 9017
Ogawa, Y 8878
Oguri, N 9055, 9056
Ohinata, R 8879
Okamoto, R 8879
Okorokov, L A 9202
Oku, H 8960
Oliver, A D 8891, 9049
Onley, J E 9239
Onley, J H 9240
Ordish, R G 8825
Orlando, M D 9082
Orlob, G B 8876
Ormsbee, R A 9097
Orr, J C 9063
Ortman, E E 8718
Osgood, T 9163
Osterman, J V 9097
Oyamada, K 9047
Pachauri, S P 9098
Padilla, R C 9018
Painter, E M 8655
Painter, R H 8655
Palka, J 8826
Pappelis, A J 8965
Pardue, J R 9163
Parnas, I 8827, 8861, 8862
Paromenskaya, L N 9209
Paschke, J D 8800
Patel, B 8829
Patel, N G 8828
Patel, S 8829
Pathak, P N 9116
Pathak, R C 9098
Patrick, W C 9082
Patton, R L 8894
Paul, H L 8970
Paulech, C 8979
Pavan, C 8911
Peirce, M A 9084
Pendergrast, J G 8656
Pendleton, I R 8830, 8831
Pereira, H G 9058
Perolini, M 8771
Peters, E J 9210
Peterson, A G 8832
Petrishcheva, P A 8657

Pfrimmer, T R 9196
Philip, C B 8658
Pienkowski, R L 8863
Pillai, M K K 8833
Pinhey, E 8659, 8834
Pitre, H N 8732
Plaa, G L 9174
Plos, N 8835
Pool, J G 9179
Porter, D D 9099
Porter, M L 9158
Potts, M F 8910
Powders, V N 8660
Pramanik, L M 8702
Prasad, V 8836
Pratt, S A 8837
Prevec, L 9083
Price, R D 8665, 8666
Priehraony, S 8979
Pu, M 9043
Pund, W A 9107
Porcell, D A 9108
Puthz, V 8661
Qadri, M A H 8699
Qoilici, M 8847
Quinby, G E 9149
Quinlivan, T D 9100, 9101
Qureshi, A H 8838
Rachesky, S 8839
Radostits, O M 9090
Raghavan, R S 9102
Rangaswami, G 8980
Rao, S B V 9092, 9103, 9104, 9105
Raros, E S 9012
Raskin, J P 9139
Raulston, J R 8840
Raygorodskaya, I A 9019
Reddell, J R 8704
Reddy, C 9102
Regnier, F E 8901
Reid, W M 9106
Ribeiro, M H T 8819
Rice, R E 8841
Richards, A M 8662
Richards, O W 8663
Richards, P V M 9046
Richardson, E G 8858
Richardson, J 9024
Ridgway, R L 8692
Riek, E F 8664
Riemann, J G 8842
Ringo, S L 8695
Roberts, R H 9107
Robinson, G A 9183
Roby, T O 9134
Rochefort, K J 9001
Rohde, R A 9029
Root, R B 9020
Roshorough, T 9021
Ross, D B 9135
Ross, J G 9108
Ross, M H 8731
Rossetti, V 8981
Roth, F K 9109
Rothschild, M 8843
Rounsville, G B 9001
Rozehoom, L F 8854
Ruhcov, I A 8844
Ruinen, T 8929
Rweyemamu, M M 9110
Ryan, S O 8665, 8666
Sacho, R L 9152
Sachs, R M 9203
Sadar, M H 9229
Sahni, M L 9241
Saini, R S 8832
Saito, T 8845
Salas, J A 8982
Salceda, V M 8916
Salonen, M 8822
Samsinakova, A 8846
Sannamarappa, M 8927
Sasane, M S 9087
Saupe, E 9127
Saoret, S 8953
Sautet, J 8847
Scales, J W 9107
Schaefer, K F 8667, 8668, 8669
Schalk, J M 8848
Schmid, F 8670
Schmolesky, G E 8849
Schnaitman, T A 9123
Schneiderman, H A 8810, 8828
Schneiderman, L J 9179
Schofield, P J 9133
Scholtyseck, E 8754
Schread, J C 8850
Schulz, F A 8983
Schutzmann, R L 9159
Scoggin, J K 8851
Seecof, R L 8852
Seligman, M 8853
Sellers, L G 9060
Shabarova, Z A 9238
Shacked, P 8936
Shaddy, J H 8671
Shaffer, R L 9050
Shah, K V 8854
Shalla, T A 8984
Shane, S M 9111
Shankland, D 8734
Sharma, K N 9212
Sharma, R N 9112
Shaw, F R 9160
Shehata, O 9075
Shepard, J F 8984
Shimoda, C 9214
Shipton, P J 8969, 8985, 8986
Shoemaker, J P 9128
Shotts, E B 9113
Sholov, A 8712
Siddi, G 8691
Silberglied, R 8769
Simmons, J A 9211
Simmons, J H 9161
Singh, H 9212
Singh, R S 8987
Sinha, A K 8788
Sinitsyna, Ye Ye 8907
Sirry, A R 8976, 8977
Skehel, J J 9114
Skelly, J M 8855
Slife, F W 9194
Slifer, E H 8856
Slykhuis, J T 8988
Smiley, J H 8989
Smiley, R L 8672
Smith, A G 8857
Smith, D L 9048
Smith, D R 8673
Smith, H R 8858
Smith, K 9115
Smith, S D 8674
Smyth, T 8700
Snell, R S 8996
Snelling, R R 8675
Snetsinger, R 8859
Snyder, R M 9123
Sobers, E K 8990
Soni, J L 9116
Spaic, I 9022
Spangler, H G 8824
Spek, J van der 8929
Spence, L 9117
Spiess, E B 8860
Spiess, L D 8860
Spindler, L A 9134
Spira, M E 8827, 8861, 8862
Spornraft, K 8676
Sprague, V 9118
Springer, S D 8863
Srihongse, S 9119
St. Julian, G 8895
Stallnecht, G F 8991
Stange, L A 8677
Stavraki-Pavlopoulou 8864
Stavrakis, G 8865
Steindl, D R L 8994
Steiner, L F 8879
Steinhaus, E A 8866
Stevenson, R 8804
Stewart, P A 9023
Steyskal, G C 8678, 8867
Stibick, J N L 8868
Stiller, J 8869
Stimmann, M W 8870
Storch, R H 8871
Storey, W B 9043
Storherr, R W 9162, 9163, 9243, 9244
Stouffer, R F 8992
Strobel, G A 9180
Strother, C W 9076
Stussi, C 8993
Sublette, J E 8872
Sublette, M S 8872
Sudhir, V 9102
Sumaroka, A F 8873
Sumi, H 8960
Sunderland, D W 9205
Sorgalla, M J 9081
Sowanai, M 8874
Sozoki, A 8878
Sweet, R C 9004
Sylvester, E S 9024
Synave, H 8679
Szabo, K 8875
Taft, H M 8772
Tahvanainen, J O 9020
Takahashi, M 8930, 8931, 9055, 9056
Takahashi, Y 8876
Takeda, K 8930
Takematsu, T 9042, 9047
Takeuchi, S 8755
Tamarina, N A 8877
Tamura, S 8878, 9042, 9047
Tanaka, N 8879
Tandan, B K 8680
Tashjian, R J 9132
Tatton, J O 9161
Taylor, E M 9106
Taylor, R L 8880
Tazieff-Depierre, F 9181
Teakle, D S 8994
Teran, A L 8681
Tew, R P 9140
Thibaud, J M 8881
Thompson, F C 8682
Thompson, J N 8918
Thompson, S 9171
Thomson, J 9147
Thorson, B J 8842
Thrasher, J J 9142
Thot, R N 8882
Todd, J R 9108
Tojo, S 8883
Tomizawa, C 8884
Torossian, C 8885
Toohey, J G 9182
Towne, J C 8899
Tristram, H 9248, 9214
Tseng, T 8995
Tsetlin, V M 8708
Tsutsumi, Y 9055, 9056
Tugwell, P 8886
Turcek, F J 8887
Torner, J W 8886
Tyler, D E 9113
Uhmann, E 8683
Ulrich, V 8996
Ulrichs, P C 8912
Urvoy, J 8888
Vail, P V 8889
Valdovinos, J G 8997
Valli, V E O 9183
Van Dreumel, A A 9120
van Lindert, H J A 9046
Van Pelt, R W 9121
Vance, B D 9048
Vander Beek, L C 9213
Vandermeer, J W 8890
Vanwetswinkel, G 8932
Vashkov, F I 8708
Vernick, S H 9118
Vialat, C 9122
Viette, P 8684
Vieuchange, J 9122
Vilk, E 8725
Villa, M M 9018
Viswanathan, P N 9044
Vogel, E 8891, 9049
Volkov, Y P 8708
Voillaome, M 8892
Wagner, E 8685
Wagner, R R 9123
Walker, P T 8893
Walker, T J 8686
Wallace, J B 8817
Wallize, J A 9125
Walters, H J 8958
Wang, C M 8894
Waterworth, H E 8998
Watts, L E 8942
Watts, R R 9162, 9163, 9244
Weaver, M G 9050
Webb, D W 8687
Weiner, B A 8895
Weiser, J 8896
Wells, C E 9156
Wellso, S G 8897
Werman, R 8827
Wessel, J R 9164
Wetzel, T 9033
Wheals, B B 9147
Wheeler, J 8765
Wheeler, P J 8946
Whiting, F M 9165
Wildman, S G 8956
Wiles, M 9136
Willcox, H H 8898
Willers, K H 9065
Williams, C S 8899
Williams, M W 8899
Williams, R W 8900
Willink, A 8688
Willoughby, R A 9095
Wills, G D 9187
Wills, W H 8999
Wilson, C L 9000
Wilson, E O 8901
Wingate, D B 9166
Winston, P W 8902
Wisseman, C L 9097
Witt, J M 9165
Witter, J A 8903
Wojcik, D P 8904
Woodwell, G M 9145
Wooldridge, C R 8905
Wooldridge, D P 8905
Wulff, D L 9068
Wurster, C F 9145, 9166
Wurtz, M 8968
Yadava, C P S 9160
Yamamoto, I 8906
Yamauchi, M 8878
Yanagishima, N 9198, 9214
Yang, C Y 8989
Yarns, D A 9132
Yelizarov, Yu A 8907
Yip, G 9239, 9240, 9245
Yonce, C E 8858
Yoshimura, N 9042
Yoshinaga, E 8963
Young, R J 9111
Young, R M 8908
Yoong, S Y 9184
Yung, K H 9043
Zack, R E 8689
Zeikus, R P 8866
Zhuk, Y B 8708
Zielinski, W L 9226
Zimmermann, W J 9124, 9125
Zmoray, I 9028
Zolotarev, Ye Kh 8907
Zockerman, B M 9001
Zoeig, G 9215
Zweig, G 9143
Zwick, P 8690

A. A. Zhdanov Leningrad State Univ., USSR
All-Union Research Inst. of Agricultural Microbiology
9209
Agricultural Research Service
Systematic Entomology Lab.
8867
Agricultural Univ., Wageningen, Netherlands
Lab. of Entomology
8742
Arizona Agricultural Experiment Station
9165
Australia. commonwealth Scientific and Industrial Research
Organization; Long Pocket Laboratories, Brisbane
8730
Australian Research Grants Committee
8994
Bank of America-giannini Foundation
U S Public Health Service
9179
Braunschweig. Biologische Bundesanstalt fur Land- und
Forstwirtschaft.; Institut fur landwirtschaftliche Virusforschung
8970
Bristol Univ., England
Depts. of Zoology and Physics
8769
California Univ., Davis
Dept. of Plant Pathology
9204
California Univ., Riverside
Dept. of Horticultural Science
9043
California Univ., San Diego
Dept. of Biology
8915
California. university
Dept. of Environmental Toxicology, Davis
9148
California. university. agricultural Research Center,
Riverside
8838
Centre National de la Recherche Scientifique, Gif-sur-Yvette, France; Lab. de Genetique des Virus
9071, 9088
Chile University, Santiago
8743
Clemson. university
Dept. of Entomology and Zoology
8783
Clemson. university
Dept. of Entomology and Zoology
8738
Clemson. university. agricultural Experiment Station
8721
Colonial Pesticides Research Unit, Porton Down, England
8893
Commonwealth Bureau of Horticulture, Kent, England.
9140
Cornell Univ., Ithaca, N. Y.
Dept. of Entomology
8894
Department of Agriculture, Washington, D. C.
Agricultural Research Service
8920, 8926, 9069
Department of Scientific and Industrial Research, Nelson,
New Zealand; Entomology Div.
8630
E. I. du Pont de Nemours and Co., Wilmington, Del.
8851
Faculte des Sciences, Paris, France
Lab. de Biologie animale C
8805
Fisheries Research Board (of Canada, St. Andrews
Biological Station
9144
Fisheries Research Board of Canada, Saint John's,
Newfoundland; Biological Station
9136
Florida State Univ., Tallahassee
Dept. of Biological Science
9200
Food and Drug Administration
9150, 9151, 9155
Government Degree College
Chindwara, M.p., India; Dept. of Zoology
8747
Idaho. university
Dept. of Entomology
8674
Illinois Univ., Urbana
Dept. of Agronomy
9194
Illinois Univ., Urbana
Dept. of Entomology
8853
Kansas. university
Dept. of Entomology
8709
Kyushu Univ., Fukuoka, Japan
Entomological Lab.
9003
Laboratoire d'Evolution des Etres organises, Paris,
France
8759
Louisiana State Univ., Baton Rouge
Dept. of Entomology
8886
Louisiana. state University
Dept. of Entomology
8777
Max-Planck-Inst. fur Biologie, Tubingen, West Germany
8917
May and Baker Ltd., Dagenham, Essex, England
9036
Minnesota Mining and Manufactoring Co., St. Paul, Minn.
9232
Minnesota Univ., Minneapolis
Dept. of Entomology, Fisheries, and Wildlife
8832
Mount Holyoke Coll., South Hadley, Mass.
Dept. of Biological Sciences
8815
Museum National, Brunoy, France
Lab. d'Ecologie Generale
8881
National Institutes of Health
9060
National Science Foundation
8997, 9180
New York State Museum And Science Service, Albany
9004
New Zealand Forest Service, Wellington
Protection Forest Branch
9051
North Carolina State University, Raleigh
Dept. Of Entomology
9168
Norwich Pharmacal Co., New York, N. Y.
9218
Oklahoma State Univ., Stillwater
8660
Oklahoma Univ., Norman
8918
Oklahoma Univ., Norman
Dept. of Zoology
9131
Olin Mathieson Chemical Corp.
9040
Pakistan Medical Research Center, Lahore
8909
Pennsylvania. state University
Dept. of Entomology
8855
Philippines. international Rice Research Institute
9012
Public Health Service
8910, 8964, 9024
Rockefeller Univ., N. Y., N. Y.
8916
Sankyo Co. Ltd., Tokyo, Japan
9047
Sao Paulo Univ., Brazil
Dept. de Biologia Geral
8911
Shell Research Ltd., Kent, England
8734
Smithsonian Institution, Washington, D. C.
Southeast Asian Mosquito
8624
Southam Business Publication, Ltd.
9242
Southern Illinois. University
8978
Stauffer Chemical Co., New York, N. Y.
8875
Stellenbosch Univ., Africa
Stellenbosch-Elsenburg Coll. of Agriculture
8791
Syntex Corp., Panama
9063
Tennessee. university
Dept. of Zoology and Entomology
8729
Texas A and M Univ., College Station
Dept. of Entomology
8692
Toronto Univ., Ontario
Dept. of Zoology
8700
Tucouan Nacional Univ., Argentina
Inst. Miguel Lillo
8688
Tucuman Nacional Univ., Argentina
Inst. Miguel Lillo
8634, 8638, 8639, 8652, 8658, 8677, 8681
U S Public Health Service
9191
U. S. dept. of Agriculture. agricultural Research Service
Entomology Research Division, Mexico City
8727
U. S. dept. of Agriculture. agricultural Research Service
Insects Affecting Man and Animals Research Laboratory,; Gainesville, Fla.
8807
U. S. dept. of Agriculture. agricultural Research Service
Systematic Entomology Laboratory
8678
U. S. dept. of Agriculture. agricultural Research Service
Systematic Entomology Laboratory, Columbus, Ohio
8646
U. S. dept. of Agriculture. southeastern Forest Experiment Station; Forest Service
8903
U. S. Agricultural Research Service
Animal Disease Eradication Division
9129
U. S. Dept. of Army
Fort Detrick
9082
U. S. Dept. of Interior
Office of Saline Water
9229
U.S. Dept. Of Health Education And Welfare, Wenatchee, Wash
Public Health Service: Communicable Disease Center; Technology Branch; Toxicology Section
9170
United Arab Republic. ministry of Agriculture
Dept. of Microbiology
8933
United States of America
9195
Univ. of Massachusetts, Amherst
Dept. of Plant Pathology
9029
University Of Delaware, Newark
9182
Virginia. polytechnic Institute
Dept. of Entomology
8766, 8863
Waterloo Univ., Ontario
Dept. of Biology
8714
Winona State Coll., Minn.
8753
Winter Garden Exp. Station, Crystal City, Texas
9008
Wisconsin Alumni Research Foundation
8849
Wistar Inst. of Anatomy and Biology, Philadelphia, Pa.
9099

U. S. GOVERNMENT PRINTING OFFICE : 1969 O - 394-351 (13)

U.S. DEPARTMENT OF AGRICULTURE
WASHINGTON, D.C. 20250

OFFICIAL BUSINESS

To stop mailing [ ] or to change your address [ ] send this sheet with new address to Pesticides Information Center, National Agricultural Library, Washington, D.C. 20250.

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF AGRICULTURE